

# JVC

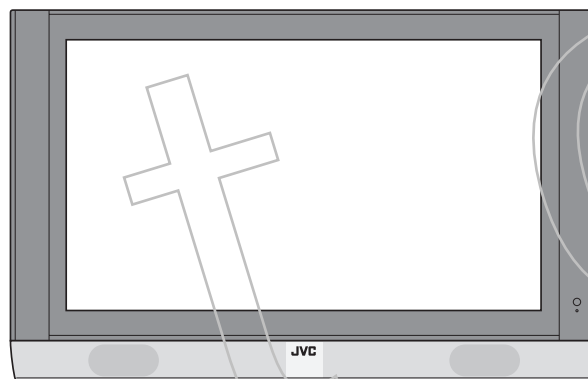
## SERVICE MANUAL

### PDP COLOR TELEVISION

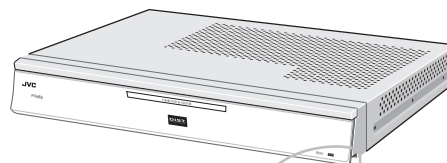
# PD-42X795/s, PD-50X795/lz

BASIC CHASSIS

FP2



VM-42X795 / VM-50X795  
[PLASMA DISPLAY UNIT]



TU-42X795 / TU-50X795  
[RECEIVER UNIT]

**I<sup>Art</sup>™** *Palette*  
**D.I.S.T.**  
Digital Image Scaling Technology  
**BBE**  
**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE  
**i**

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# SPECIFICATION

| Items   |                             | Contents  |  |
|---|-----------------------------|---|--|
|   |                             | PD-42X795   | PD-50X795  |
| Dimensions ( W × H × D )                            | Plasma Display Unit         | 116cm × 73.1cm × 10.8cm (45-3/4" × 28-7/8" × 4-1/4")  | 135cm × 83.6cm × 11cm (53-1/4" × 33" × 4-3/8")           |
|   | Receiver Unit               | 43.5cm × 7cm × 31.3cm (17-1/4" × 2-7/8" × 12-3/8")  |  |
| Mass  | Plasma Display Unit         | 38kg (83.6lbs)  | 51kg (112.2lbs)  |
|   | Receiver Unit               | 4.3kg (9.5lbs)  |  |
| TV RF System (Analog / Digital)                     | Analog                      | CCIR (M)  |  |
|   | Digital                     | ATSC terrestrial / Digital cable  |  |
| Color System (Analog)                               |                             | NTSC  |  |
| Sound System (Analog)                               |                             | BTSC (Multi Channel Sound)  |  |
| Teletext System (Analog)                            |                             | Closed caption (T1-T4 / CC1-CC4)  |  |
| TV Receiving Channels and Frequency (Analog)        | VHF Low                     | 02ch - 06ch : 54MHz - 88MHz   |  |
|   | VHF High                    | 07ch - 13ch : 174MHz - 216MHz   |  |
|   | UHF                         | 14ch - 69ch : 470MHz - 806MHz   |  |
|   | CATV                        | 54MHz - 804MHz  |  |
|   | Low Band                    | 02 - 06   |  |
|   | High Band                   | 07 - 13   |  |
|   | Mid Band                    | 14 - 22   |  |
|   | Super Band                  | 23 - 36   |  |
|   | Hyper Band                  | 37 - 64   |  |
|   | Ultra Band                  | 65 - 94, 100 - 135  |  |
|   | Sub Mid Band                | 01, 96 - 99   |  |
| TV / CATV Total Channel                             |                             | 191 Channels  |  |
| Intermediate Frequency (Analog)                     | Video IF                    | 45.75 MHz   |  |
|   | Sound IF                    | 41.25 MHz (4.5MHz)  |  |
| Color Sub Carrier Frequency (Analog)                |                             | 3.58 MHz  |  |
| Power Input   |                             | AC120V, 60Hz  |  |
| Power Consumption                                   | Plasma Display Unit         | 387.4W (Max) / 369W (Avg)   | 491.4W (Max) / 468W (Avg)                                |
|   | Receiver Unit               | 39.9W (Max) / 38W (Avg)   |  |
| Plasma Display Panel (PDP)                          |                             | 42V wide aspect (16:9)  | 50V wide aspect (16:9)                                   |
| Screen Size   |                             | Diagonal : 107.5cm (H:93.3cm × V : 53.3cm)  | Diagonal : 127.0cm (H:110.7cm × V : 62.2cm)              |
| Display Pixels                                      |                             | Horizontal : 1024 pixels × Vertical : 768 pixels (XGA)  | Horizontal : 1365 pixels × Vertical : 768 pixels (W-XGA) |
| Audio Power Output                                  |                             | 20W + 20W   |  |
| Speaker   | Main (DD)                   | 9.5cm × 1cm (3-3/4 × 7-7/16"), oval type × 2  |  |
|   | Tweeter                     | 2cm (13/16"), round type × 2  |  |
|   | Woofer                      | 13cm × 6.5cm (5-1/8 × 2-9/16"), oval type × 2   |  |
| Antenna terminal (VHF/UHF, ATSC / DIGITAL CABLE IN) |                             | F-type connector, 75Ω unbalanced, coaxial × 2   |  |
| Video / Audio Input [INPUT-1/2/3/4]                 | Component Video [INPUT-1/2] | RCA pin jack × 6  |  |
|   | 1125i / 750p                | Y : 1V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω<br>Pb/Pr : ±0.35V(p-p), 75 Ω  |  |
|   | 525p / 525i                 | Y : 1V (p-p), positive (Negative sync), 75 Ω<br>Pb/Pr : 0.7V(p-p), 75 Ω   |  |
|   | S-Video [INPUT-1/3/4]       | Mini-DIN 4 pin × 3<br>Y : 1V (p-p), positive (Negative sync), 75 Ω<br>C : 0.286V (p-p) (Burst signal), 75 Ω   |  |
| Digital Input                                       | Video                       | HDMI connector × 1<br>(Digital-input terminal is not compatible with picture signals of computer signal)  |  |
|   | Audio                       | Digital: HDMI connector × 1<br>Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2   |  |
| Audio Output  | Variable                    | RCA pin jack × 2<br>More than 0 to 1000mV (rms) (+2.2dBs)   |  |
|   | Fix                         | 500mV(rms), (-4dBs), low impedance (400Hz when modulated 100%)  |  |
| Monitor / Recording Output                          | S-Video                     | Mini-DIN 4pin × 1<br>Y: 1V (p-p), 75Ω<br>C: 0.286V(p-p) (burst signal), 75Ω   |  |
|   | Video Audio                 | 1V (p-p), 75Ω, RCA pin jack × 1<br>250mV(rms) (-10dBs), Fs-18dB low impedance, RCA pin jack × 2   |  |
| PC (RGB) Input                                      |                             | D-sub 15pin × 1<br>R/G/B : 0.7V (p-p), 75Ω<br>HD / VD : 1V (p-p) to 5V (p-p), high impedance<br>< Available signal ><br>VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz)<br>XGA : 1024 pixels × 768 pixels (Horizontal : 49.4kHz / Vertical : 60Hz) |  |
| Center Channel Input                                |                             | 500mV(rms) (-4dBs), high impedance, RCA pin jack × 1  |  |
| Sub woofer Output                                   |                             | More than 0 to 1000mV (rms) (+2.2dBs), low impedance (80Hz when modulated 100%), RCA pin jack × 1   |  |
| Digital Audio Optical Output                        |                             | Digital SPDIF × 1   |  |
| AV COMPULINK III                                    |                             | 3.5mm mini jack × 1   |  |
| iLink Input/Output                                  |                             | TS In/Out (4-pin, S400) × 2, IEEE1394 compliant DTCPP digital copy protection compatible  |  |
| Display Input / Output (For system cable)           | Control / Audio             | D-sub 26-pin connector × 2  |  |
|   | Video                       | DVI-D 24-pin connector × 2  |  |
| Remote Control Unit                                 |                             | RM-C14G (AA/R6 / UM-3 battery × 2)  |  |

Design & specifications are subject to change without notice.

# SECTION 1

## PRECAUTION

### 1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (  $\Delta$  ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**  
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (  $\perp$  ) side GND, the ISOLATED (NEUTRAL) : (  $\equiv$  ) side GND and EARTH : (  $\oplus$  ) side GND.  
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) If any repair has been made to the chassis, it is recommended that the PDP POWER SUPPLY setting should be checked or adjusted.
- (6) The high voltage applied to the PDP must conform with that specified in Service manual. Excessive high voltage can cause an increase in arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper components in the circuitry including the PDP must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k $\Omega$  2W resistor to the anode button.
- (8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead

dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

#### (9) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

#### a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. ( . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

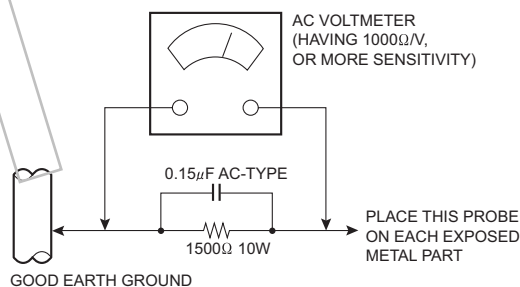
#### b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

#### Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## 1.2 INSTALLATION

### 1.2.1 HEAT DISSIPATION

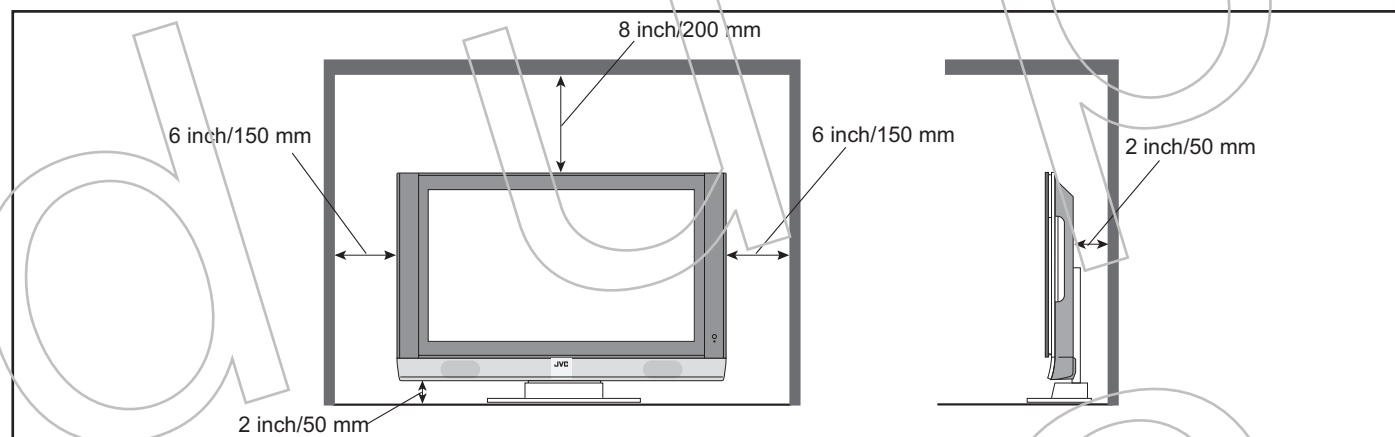
If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.

Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

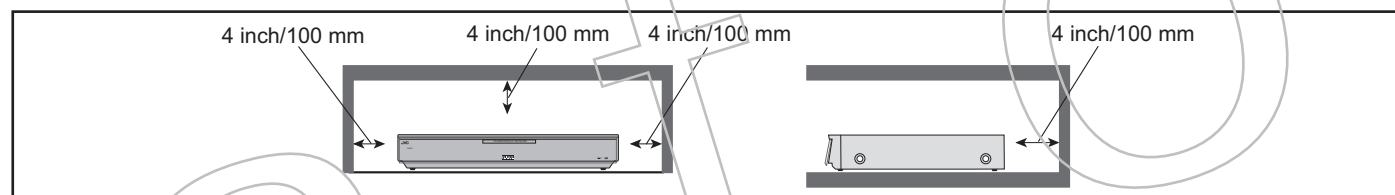
### 1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

#### ■SPACE REQUIRED FOR INSTALLATION OF THE DISPLAY UNIT



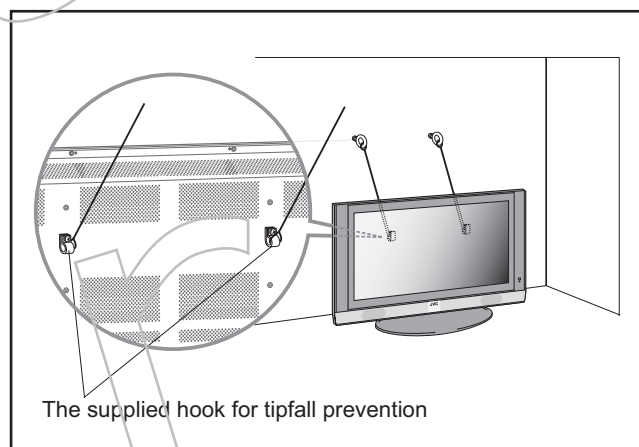
#### ■SPACE REQUIRED FOR INSTALLATION OF THE RECEIVER UNIT



### 1.2.3 FALL TIP PREVENTION MEASURES

Take precautionary measures to prevent the unit from falling or tipping to protect against emergencies such as earthquakes as well as accidents.

Fasten the supplied hook for tip fall prevention using the screws, also supplied, behind the display unit, and use them together with durable cords (to be purchased separately) to secure the unit to a robust part such as the wall surface or pillars.





### 1.3 PRECAUTIONS REGARDING PDP

#### 1.3.1 PRECAUTIONS DURING NOTES FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal PDP (Plasma Display Panel) due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention prior to delivery such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the PDP of this unit is made of glass and therefore fragile:

(1) Avoid vibrations and impacts

The unit may be broken if it is toppled sideways even when properly packed. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(2) Do not place equipment horizontally

Ensure that it is placed upright and not horizontally during transportation and storage as the PDP is very vulnerable to lateral impacts and may break easily under such circumstances.

During transportation, ensure that the unit is loaded along the traveling direction of travel of the vehicle, and avoid stacking them on one another.

For storage, ensure that they are stacked in 2 layers or less even when placed upright.

#### 1.3.2 RESIDUAL IMAGE / BURN-IN ON SCREEN

Like CRTs, "burn-in" may occur when a same image is continuously displayed over an extended period of time.

As this may also shorten the life span of the PDP. Therefore, turn off the display when not in use, scroll the screen, make use of screen-savers, or allow even distribution on the display by inverting the brightness, switching to complementary colors or inserting animated images at periodic intervals.

As burn-in is more likely to occur with high brightness and contrast settings, try to use neutral gradations or medium tone colors.

Burn-in does not occur in the case of animated images.

When switching to another image after continuous display of the previous image, residual images may become prominent, as luminance in a part of the display is higher than the other parts.

This is not a defect but is because due to the discharge surface of the lighted portion has become being relatively activated and its luminance higher than the unlighted parts.

#### 1.3.3 INFRARED RAYS

Near Near-infrared rays (800nm to 1000nm) are emitted from the front of the panel, and this may give rise to malfunctions in infrared remote controls or communication systems placed near it. In this case, avoid direct infrared rays (and reflected rays in some cases) from the screen by either changing the direction of the unit or other infrared systems or securing a longer keeping a distance from the screen.

#### 1.3.4 OPTICAL FILTER (PANEL FILTER)

Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

Clean the filter surface by wiping it softly lightly with outing flannels a soft and lightly fuzz cloth (such as flannel).

Do not use solvents such as benzine or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off.

As the filter surface is fragile., do not scratch or hit it with hard materials.

#### 1.3.5 NOTES PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (back REAR COVER, FRONT PANEL, optical filter)

- Do not exert pressure on the front of the PDP (glass surface).
- Pay careful attention not to scratch or stain the front of the PDP (surface) with hands.
- When replacing exterior parts, the front of the PDP should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front surface. However, never use materials that are too soft (such as blanket cloth). If replacement is made with the PDP surface facing downward and in contact with the blanket, pressure may be exerted on the PDP, thus causing damages to it.

## SECTION 2

### SPECIFIC SERVICE INSTRUCTIONS

#### 2.1 FEATURES

##### D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

##### SMART CAPTION

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

##### SMART SOUND

Decreases high sound levels, giving a regulated sound level.

##### VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

[STANDARD ↔ DYNAMIC ↔ THEATER ↔ GAME]

##### DIGITAL INPUT

Digital-in will display when any picture signal (480i/ 480p, 720p/ 1080i) in Digital-in is displayed.

##### V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

##### MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

##### NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the outline of the images to make them more sharp.

##### BBE

High definition audio adds natural, clear and extraordinary sound quality to any program.

##### VIDEO INPUT LABEL

This function is used to label video input connections for the onscreen displays.

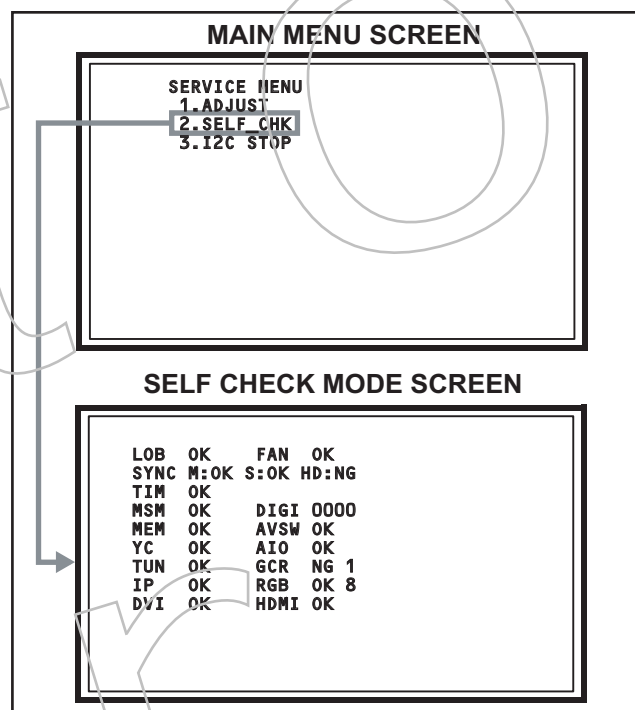
##### A.H.S.

Adds a more spacious surround sound. Music gives basic effect and Movie for more effect.

#### 2.2 SYSTEM SETTING

Be sure to carry out the following operation at the end of the procedure.

- (1) Set to 0 minutes using the [SLEEP TIMER] key.
- (2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.
- (3) When the Main Menu is displayed, press [2] key to enter the self check mode.
- (4) Turn off the power by pressing the [POWER] key on the remote control unit.





### 2.3.2 MAIN CPU PIN FUNCTION [IC7601 = DIGITAL SIGNAL PWB ASS'Y : RECEIVER UNIT]

| Pin | Pin name  | I/O | Function  | Pin | Pin name | I/O | Function  |
|-----|-----------|-----|---|-----|----------|-----|---|
| 1   | VHOLD1    | I   | Data slice for main screen closed caption                     | 51  | NC       | O   | Not used  |
| 2   | HFLT1     | I/O | LPF for main screen closed caption video input                | 52  | NC       | O   | Not used  |
| 3   | NC        | O   | Not used  | 53  | NC       | O   | Not used  |
| 4   | NC        | O   | Not used  | 54  | NC       | O   | Not used  |
| 5   | DIGR0     | O   | R [0] for OSD   | 55  | NC       | O   | Not used  |
| 6   | TB1in     | I   | AC power for timer clock                                      | 56  | NC       | O   | Not used  |
| 7   | REMO      | I   | Remote control  | 57  | NC       | O   | Not used  |
| 8   | BYTE      | I   | Not used  | 58  | NC       | O   | Not used  |
| 9   | CNVss     | I   | CPU programming mode select [Normal = L]                      | 59  | NC       | O   | Not used  |
| 10  | DIGG0     | O   | G [0] for OSD   | 60  | NC       | O   | Not used  |
| 11  | DIGB0     | O   | B [0] for OSD   | 61  | NC       | O   | Not used  |
| 12  | RESET     | I   | Reset for main CPU [Reset = L]                                | 62  | HSYNC    | I   | H. sync for OSD   |
| 13  | Xout      | O   | System clock oscillation (crystal) : 16MHz                    | 63  | NC       | O   | Not used  |
| 14  | Vss       | -   | GND   | 64  | VSYSNC   | I   | V. sync for OSD   |
| 15  | Xin       | I   | System clock oscillation (crystal) : 16MHz                    | 65  | NC       | O   | Not used  |
| 16  | Vccl      | I   | 3.3V power supply   | 66  | NC       | O   | Not used  |
| 17  | OSC1      | I   | Clock for OSD   | 67  | NC       | O   | Not used  |
| 18  | OSC2      | O   | Not used  | 68  | NC       | O   | Not used  |
| 19  | INT1      | I   | AV COMPULINK control  | 69  | NC       | O   | Not used  |
| 20  | INT0      | I   | Request for sub(chassis) CPU communication (serial data)      | 70  | NC       | O   | Not used  |
| 21  | OUT1      | O   | Ys (blanking) for OSD   | 71  | NC       | O   | Not used  |
| 22  | OUT2      | O   | YM (transparence) for OSD                                     | 72  | NC       | O   | Not used  |
| 23  | NC        | O   | Not used  | 73  | NC       | O   | Not used  |
| 24  | NC        | O   | Not used  | 74  | NC       | O   | Not used  |
| 25  | NC        | O   | Not used  | 75  | NC       | O   | Not used  |
| 26  | NC        | O   | Not used  | 76  | NC       | O   | Not used  |
| 27  | CTA2/RTS2 | O   | Not used  | 77  | NC       | O   | Not used  |
| 28  | CLK2      | O   | Not used  | 78  | NC       | O   | Not used  |
| 29  | RxD2      | O   | Data transmission (serial) for digital tuner control          | 79  | NC       | O   | Not used  |
| 30  | TxD2      | I   | Data receive (serial) for digital tuner control               | 80  | NC       | O   | Not used  |
| 31  | SDA2      | I/O | Not used  | 81  | NC       | O   | Not used  |
| 32  | DIGR1     | O   | R [1] for OSD   | 82  | NC       | O   | Not used  |
| 33  | DIGG1     | O   | G [1] for OSD   | 83  | NC       | O   | Not used  |
| 34  | DIGB1     | O   | B [1] for OSD   | 84  | WAKE     | O   | Sleep mode release for sub(chassis) CPU [Release = L]         |
| 35  | TxD0      | I   | Data receive (serial) for external programming                | 85  | CARD_DET | I   | Card detection for ATSC digital tuner [Detection = L]         |
| 36  | RxD0      | O   | Data transmission (serial) for external programming           | 86  | POWER_SW | I   | Power switch (mechanical) detection [Detection = L]           |
| 37  | CLK0      | I   | Clock for external programming                                | 87  | SDAM     | I/O | Data for Inter IC (serial) bus control : main memory (IC7602) |
| 38  | RTS0      | O   | Busy for external programming [Operation = H]                 | 88  | SCLM     | O   | Clock for Inter IC (serial) bus control : mainmemory (IC7602) |
| 39  | P5.7      | I   | Not used  | 89  | DIGR2    | O   | R [2] for OSD   |
| 40  | P5.6      | O   | Not used  | 90  | DIGG2    | O   | G [2] for OSD   |
| 41  | HOLD      | I   | CPU programming hold [Hold = H]                               | 91  | DIGB2    | O   | B [2] for OSD   |
| 42  | P5.4      | O   | Not used  | 92  | NC       | O   | Not used  |
| 43  | P5.3      | O   | Not used  | 93  | KEY2     | I   | Key scan data for display switch button KEY2                  |
| 44  | P5.2      | O   | Not used  | 94  | KEY1     | I   | Key scan data for display switch button KEY1                  |
| 45  | P5.1      | O   | Not used  | 95  | VHOLD2   | I   | Data slice for sub screen closed caption                      |
| 46  | WR        | O   | CPU programming mode select [Normal = L]                      | 96  | HLF2     | I/O | LPF for sub screen closed caption video input                 |
| 47  | P4.7      | O   | Data transmission for sub(chassis) CPU communication (serial) | 97  | CVIN2    | I   | Video(Y) for sub screen closed caption                        |
| 48  | P4.6      | I   | Data receive for sub(chassis) CPU communication (serial)      | 98  | TVSETB   | I   | Test terminal [L Fixed]                                       |
| 49  | P4.5      | I   | Clock for sub(chassis) CPU communication (serial)             | 99  | VCCE     | I   | 5V power supply   |
| 50  | P4.4      | O   | Not used  | 100 | CVIN1    | I   | Video(Y) for main screen closed caption                       |

### 2.3.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 = DIGITAL SIGNAL PWB ASS'Y : RECEIVER UNIT]

| Pin | Pin name | I/O | Function  | Pin | Pin name     | I/O | Function  |
|-----|----------|-----|---|-----|--------------|-----|---|
| 1   | LB_PRO   | O   | Not used  | 51  | BS_TXD       | O   | Data transmission for digital tuner communication               |
| 2   | P_MU     | O   | Picture muting [Muting = H]                               | 52  | BS_RXD       | I   | Data receive for digital tuner communication                    |
| 3   | JP_CSB   | O   | Not used  | 53  | NC           | O   | Not used  |
| 4   | A_MU     | O   | Audio muting (for AUDIO OUT) [Muting = H]                 | 54  | VREF+        | I   | 3.3V power supply   |
| 5   | M_MU     | O   | Audio muting (for MONITOR OUT) [Muting = H]               | 55  | PDP_TX       | O   | Data transmission for panel CPU communication                   |
| 6   | PC_SEL   | O   | RGB(PC) INPUT select [ON = H]                             | 56  | PDP_RX       | I   | Data receive for panel CPU communication                        |
| 7   | ON_TIMER | O   | POWER INDICATOR (LED) brightness [LOW = L]                | 57  | SDA0         | I/O | Data for Inter IC (serial) bus : sub memory (IC7002)            |
| 8   | ILA0     | O   | Not used  | 58  | SCL0         | O   | Clock for Inter IC (serial) bus : sub memory (IC7002)           |
| 9   | ILA1     | O   | Not used  | 59  | SDA_DVI      | I/O | Data for Inter IC (serial) bus for panel communication          |
| 10  | ILA2     | O   | Not used  | 60  | SCL_DVI      | O   | Clock for Inter IC (serial) bus for panel communication         |
| 11  | POW_LED  | O   | POWER LED lighting [ON = H]                               | 61  | AVSS         | -   | GND   |
| 12  | WORD     | O   | Not used  | 62  | DIGI_PHOT    | I   | Photo sensor for DIGITAL-IN illegal copy protection             |
| 13  | MI_CLK   | I   | Clock for main CPU communication                          | 63  | AGC          | I   | Not used  |
| 14  | MI_TX    | I   | Data receive for main CPU communication                   | 64  | EXT_YS1      | I   | Not used  |
| 15  | MI_RX    | O   | Data transmission for main CPU communication              | 65  | EXT_YS2      | I   | Not used  |
| 16  | MI_REQ   | O   | Data request for main CPU communication [Request = L]     | 66  | VDD          | I   | 3.3V power supply   |
| 17  | VDD      | I   | 3.3V power supply   | 67  | DIGI_PRO     | O   | DIGITAL-IN voltage detection [Detection = H]                    |
| 18  | FOSC     | O   | Not used  | 68  | GCR_RST      | O   | Not used  |
| 19  | VSS      | -   | GND   | 69  | GR_ON        | O   | Not used  |
| 20  | X1       | I   | 3.3V power supply   | 70  | SYNC_SEL     | O   | Multi screen control [Digital = L]                              |
| 21  | X0       | O   | Not used  | 71  | NC           | O   | Not used  |
| 22  | VDD      | I   | 3.3V power supply   | 72  | NC           | O   | Not used  |
| 23  | OSC1     | I   | System clock oscillation (crystal) : 16MHz                | 73  | SBD5         | I/O | Data for writing on board (connect CN01P : for Frash ROM type)  |
| 24  | OSC0     | O   | System clock oscillation (crystal) : 16MHz                | 74  | SBT5         | I   | Clock for writing on board (connect CN01P : for Frash ROM type) |
| 25  | MODE     | I   | 3.3V power supply   | 75  | NMI          |     | 3.3V power supply   |
| 26  | BS1.5CTL | O   | Digital tuner power control [ON = H]                      | 76  | COMP         | I   | Not used  |
| 27  | A92RES   | O   | Reset for IC1001(3D YC SEP / COLOR DEMOD/LAT) [Reset = H] | 77  | REMO         | I   | Remote control  |
| 28  | BS_RST   | O   | Reset for Digital tuner [Reset = L]                       | 78  | VSYNC        | I   | V. sync pulse   |
| 29  | LIP_RST  | O   | Not used  | 79  | WAKE         | I   | Sleep mode release for sub(chassis) CPU [Release = L]           |
| 30  | SOFT_OFF | O   | Not used  | 80  | POWERGOOD    | I   | Power error detection NG = H]                                   |
| 31  | VMUTE    | I   | Picture muting request from digital tuner [Muting = L]    | 81  | NC           | O   | Not used  |
| 32  | VOUTENB  | O   | Video cutoff for digital tuner [Cutoff = H]               | 82  | RST          | I   | Reset for sub(chassis) CPU [Reset = L]                          |
| 33  | MDR_CON  | I   | System cable connection monitor for display unit (PDP)    | 83  | VDD          | I   | 3.3V power supply   |
| 34  | AVDD     | I   | 3.3V power supply   | 84  | SCL3A        | O   | Clock for Inter IC (serial) bus control                         |
| 35  | BS_POW   | O   | Not used  | 85  | SDA3A        | I/O | Data for Inter IC (serial) bus control                          |
| 36  | DsyncSW2 | O   | Sync select for DIGITAL-IN [Controlled with 99-pin]       | 86  | SCL3B        | O   | Clock for Inter IC (serial) bus control                         |
| 37  | LB_POW   | O   | Not used  | 87  | SDA3B        | I/O | Data for Inter IC (serial) bus control                          |
| 38  | NC       | O   | Not used  | 88  | DIGI_SYNCSEL | O   | Not used  |
| 39  | HOTPLUG  | I   | Video communication monitor for display unit (PDP)        | 89  | DIGI_LRSW    | O   | DIGITAL-IN control  |
| 40  | MECA_SW  | I   | Mechanical monitor for POWER switch [Push = L]            | 90  | DIGI_INT     | I   | Reset for HDMI process [Reset = L]                              |
| 41  | MAIN_POW | O   | Main power control [ON = L]                               | 91  | DVI_RST      | O   | Reset for DVI format conversion                                 |
| 42  | MSP_RST  | O   | AUDIO OUT output mode select [VARIABLE = L]               | 92  | VSS          | -   | GND   |
| 43  | VREF-    | I   | Standard Voltage (0V) power supply                        | 93  | SCL5055      | O   | Clock for Inter IC (serial) bus : JCC5055 (DIST process)        |
| 44  | AFT2     | I   | Not used  | 94  | VFORMATSEL   | O   | Not used  |
| 45  | AFT1     | I   | AFT voltage for VHF/UHF tuner                             | 95  | SDA5055      | I/O | Data for Inter IC (serial) bus : JCC5055 (DIST process)         |
| 46  | KEY2     | I   | Not used  | 96  | OSD_MODE_SEL | O   | Not used  |
| 47  | KEY1     | I   | Not used  | 97  | NC           | O   | Not used  |
| 48  | NC       | O   | Not used  | 98  | 15K_VOT      | O   | Main video select [Fixed H]                                     |
| 49  | NC       | O   | Not used  | 99  | DsyncSW1     | O   | Sync select for DIGITAL-IN [Controlled with 36-pin]             |
| 50  | AC_IN    | I   | AC power pulse for timer clock                            | 100 | 57 BUSY      | I   | Busy monitor for JCC5057 (RGB process)                          |

### 2.3.4 PANEL CPU PIN FUNCTION [IC807 = DISPLAY INTERFACE PWB ASS'Y : DISPLAY UNIT]

| Pin | Pin name    | I/O | Function  | Pin | Pin name    | I/O | Function  |
|-----|-------------|-----|---|-----|-------------|-----|---|
| 1   | SYSTEM0     | I   | PDP size select [0V=50V XGA, 1.75V=42V XGA]                           | 34  | NC          | O   | Not used  |
| 2   | SYSTEM3     | I   | PDP maker select [0V=SAMSUNG, 1.75V=LG]                               | 35  | NMI         | I   | Port for writing on board control [Writing=L]   |
| 3   | AVCC        | -   | 5.0V power supply   | 36  | A_MU        | O   | Audio muting [Muting=H]   |
| 4   | X2          | -   | Not used  | 37  | HD          | I   | Not used  |
| 5   | X1          | -   | GND   | 38  | LED_ONTIMER | O   | POWER LED stand-by control [ON=H]   |
| 6   | VCL         | -   | GND   | 39  | REMO        | I   | Not used  |
| 7   | RES         | I   | Reset for panel CPU [Reset=L]   | 40  | LED_POW     | O   | POWER LED control [ON=H]  |
| 8   | TEST        | I   | GND   | 41  | P85         | I   | Emulator connection / Port for writing on board [Writing=H]   |
| 9   | VSS         | -   | GND   | 42  | P86         | -   | Emulator connection   |
| 10  | OSC2        | O   | System clock osillation (crystal) : 16MHz                             | 43  | P87         | -   | Emulator connection   |
| 11  | OSC1        | I   | System clock osillation (crystal) : 16MHz                             | 44  | SCK3        | O   | Clock for writing on board  |
| 12  | VCC         | -   | 5.0V power supply   | 45  | RXD         | I   | Data receive for writing on board   |
| 13  | PW_LOB      | O   | Power control [ON=L]  | 46  | TXD         | O   | Data trnsmission for writing on board   |
| 14  | PANEL_PW_ON | O   | Panel power control [ON=L]  | 47  | AC_DET      | I   | AC power frequency detection [Detection=H]  |
| 15  | NC          | O   | Not used  | 48  | NC          | O   | Not used  |
| 16  | NC          | O   | Not used  | 49  | RXD2        | I   | Data receive for main CPU communication   |
| 17  | I2C_STOP    | O   | Inter IC (serial) bus stop control [Stop=L]                           | 50  | TXD2        | O   | Data transmission for main CPU communication  |
| 18  | APL_S_CLK   | O   | Clock for APS loading [PD-50X795]                                     | 51  | IRQ         | O   | Sleep mode release [Rlease=H]   |
| 19  | PSCK        | O   | Clock for APS writing [PD-50X795]                                     | 52  | ACTIVE      | I   | Power switch (mechanical) detection [Detection=H]   |
| 20  | PLE         | O   | APS loading control [PD-50X795]                                       | 53  | VD          | I   | V. sync pulse   |
| 21  | CLE         | O   | APS writing control [PD-50X795]                                       | 54  | REC_DET     | I   | System cable monitor for receiver unit [Connection=L]   |
| 22  | PSSC        | O   | Data transmission for APS loading [PD-50X795]                         | 55  | PSS         | I   | PDP Inter IC (serial) bus communication select [Permission=H][PD-42X795],<br>Data receive for APS loading [PD-50X795] |
| 23  | SDA1        | I/O | Data for Inter IC (serial) bus control : panel memory (IC805)         | 56  | FAN_LOCK    | I   | Fan abnormality detection [Detection=L] [PD-50X795]   |
| 24  | PWM         | O   | Not used  | 57  | SYSTEM2     | I   | Not used  |
| 25  | SCL1        | O   | Clock for Inter IC (serial) bus control : panel memory (IC805)        | 58  | SYSTEM 1    | I   | Fan select [Used=H]   |
| 26  | SDA0        | I/O | Data for Inter IC (serial) bus control : Audio control, Temp. sensor  | 59  | THEM_DET    | I   | Temp. sensor detection [Detection=H]  |
| 27  | SCL0        | O   | Clock for Inter IC (serial) bus control : Audio control, Temp. sensor | 60  | (AMP_PRO2)  | I   | GND   |
| 28  | SDA2        | I/O | Data for Inter IC (serial) bus control : PDP communication            | 61  | AMP_PRO1    | I   | Not used  |
| 29  | SCL2        | O   | Clock for Inter IC (serial) bus control : PDP communication           | 62  | EE_CDS      | I   | Not used  |
| 30  | SLE         | O   | PDP communication control [PD-50X795]                                 | 63  | KEY1        | I   | Not used  |
| 31  | NC          | I/O | Not used  | 64  | KEY2        | I   | Not used  |
| 32  | NC          | O   | Not used  |     |             |     |   |
| 33  | NC          | O   | Not used  |     |             |     |   |

## SECTION 3 DISASSEMBLY

### 3.1 DISASSEMBLY PROCEDURE [DISPLAY UNIT: PD-42X795]

#### NOTE:

- When exchanging parts etc. with the front side (PDP side) facing down, place a protection sheet under the DISPLAY UNIT to prevent scratches on the front side.
- It is advisable to take notes of the connecting locations (connector numbers) of the removed connectors.

#### 3.1.1 REMOVING THE REAR COVER (Fig.1)

- (1) Remove the power cord and system cable.
- (2) Remove the 9 screws **[A]** and the 12 screws **[B]**, then remove the REAR COVER.

#### 3.1.2 REMOVING THE BACK COVER AND SPEAKER HOLDER (Fig.1)

- (1) Remove the 8 screws **[C]**, then remove the BACK COVER.
- (2) Remove the SPEAKER HOLDER.

#### 3.1.3 REMOVING THE TERMINAL COVER (Fig.1.)

- Remove the REAR COVER.
- (1) Remove the 6 screws **[D]**, then remove the CHASSIS SHIELD BRACKET.
- (2) Remove the 2 screws **[E]** and the 5 screws **[F]**, then remove the TERMINAL COVER.

#### 3.1.4 REMOVING THE LINE FILTER PWB (Fig.1)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Remove the 2 claws **[G]**, then remove the LINE FILTER INSULATOR.
- (2) Disconnect the connector **[CN8001]** from the MAIN POWER PWB.
- (3) Remove the 2 screws **[H]** and the 2 screws **[I]**, then remove the LINE FILTER PWB.

#### 3.1.5 REMOVING THE AUDIO PWB (Fig.1)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Disconnect the connectors **[CN60SL]** / **[CN60CB]** / **[CN60SR]** from the AUDIO PWB.
- (2) Disconnect the connector **[CN9001]** from the SUB POWER PWB.
- (3) Disconnect the connector **[CN00A]** / **[CN00C]** / **[CN00D]** from the DISPLAY INTERFACE PWB.
- (4) Remove the 4 screws **[J]**, then remove the AUDIO PWB.

#### 3.1.6 REMOVING THE DISPLAY INTERFACE PWB (Fig.1)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Disconnect the connectors **[CN00A]** / **[CN00C]** / **[CN00D]** / **[CN00E]** / **[CN00Q]** / **[CN00T]** / **[CN00X]** / **[CN00V]** / **[CNAH2]** from the DISPLAY INTERFACE PWB.
- (2) Remove the 4 screws **[K]**, the 2 screws **[L]**, and the 2 screws **[M]**, then remove the DISPLAY INTERFACE PWB.

#### 3.1.7 REMOVING THE CHASSIS BASE PWB (Fig.1.)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the LINE FILTER PWB.
- Remove the AUDIO PWB.
- Remove the DISPLAY INTERFACE PWB.
- (1) Remove the 2 screws **[N]**, then remove the CHASSIS BASE PWB.



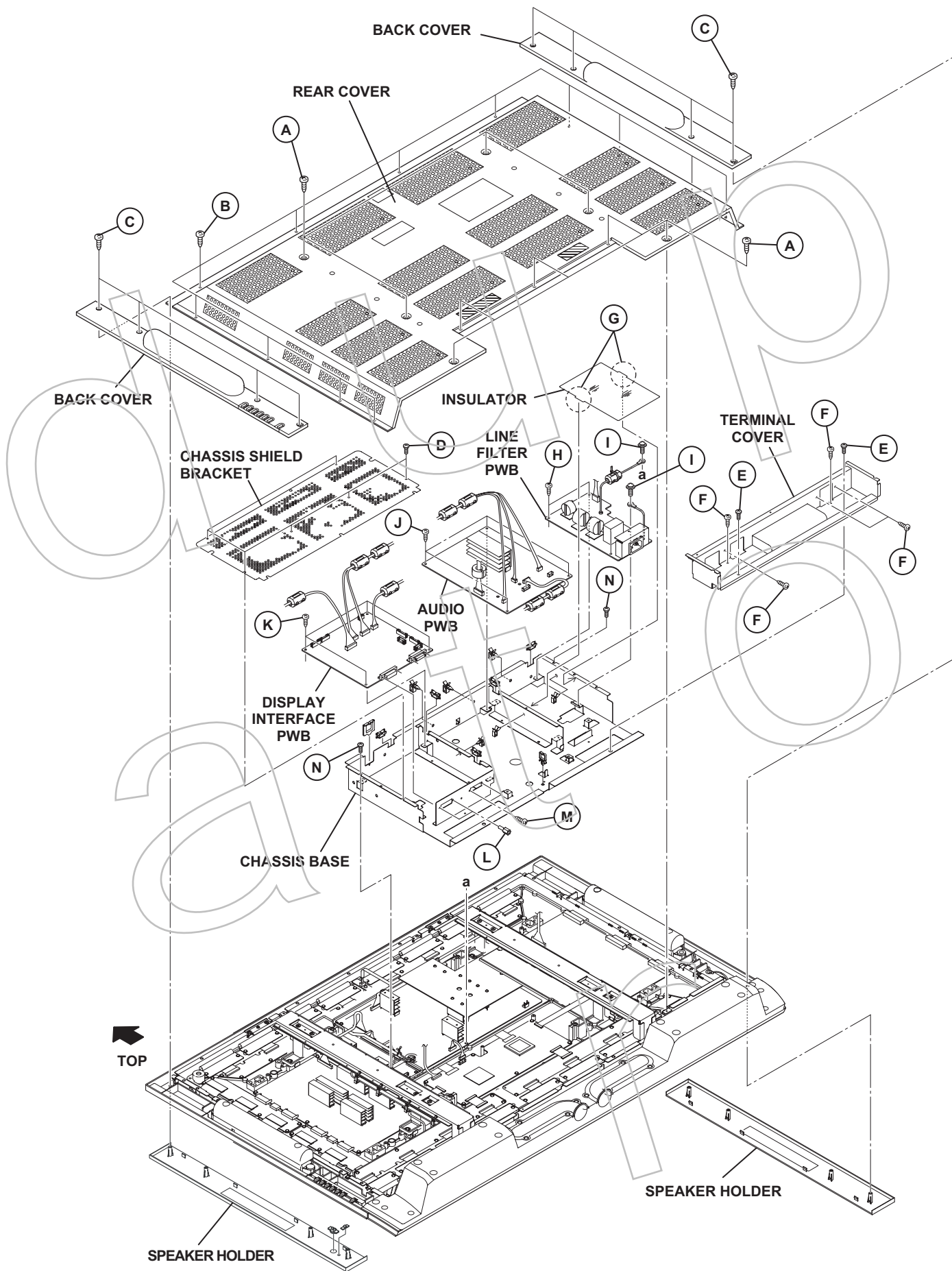


Fig.1

### 3.1.8 REMOVING THE TEMP. SENSOR PWB (Fig.2)

- Remove the REAR COVER.
  - (1) Disconnect the connector [CN800V] from the TEMP. SENSOR PWB PWB .
  - (2) Remove the 1 screw [O], then remove the TEMP. SENSOR PWB.

### 3.1.9 REMOVING THE MAIN POWER PWB (Fig.2)

- Remove the REAR COVER.
  - (1) Disconnect the connector [CN8001] / [CN8008] / [CN8006] / [CN8005] / [CN8003] / [CN8002] / [CN9001] / [CN8009] from the MAIN POWER PWB .
  - (2) Remove the 8 screws [P], then remove the MAIN POWER PWB.
  - (3) Remove the POWER PWB BRACKET and INSULATOR.

### 3.1.10 REMOVING THE SUB POWER PWB (Fig.2)

- Remove the REAR COVER.
  - (1) Disconnect the connector [CN9001] / [CN9002] / [CN9005] from the SUB POWER PWB .
  - (2) Remove the 4 screws [Q], then remove the SUB POWER PWB.
  - (3) Remove the INSULATOR.

### 3.1.11 REMOVING THE DISPLAY SWITCH PWB (Fig.2)

- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
  - (1) Remove the 2 screws [U] and 3 screws [V], then remove the DISPLAY SWITCH PWB and CONTROL KNOB.
  - (2) Disconnect the connector [CN000T] from the DISPLAY SWITCH PWB .

### 3.1.12 REMOVING THE DISPLAY LED PWB (Fig.2)

- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
- Remove the DISPLAY SWITCH PWB.
  - (1) Remove the 2 screws [T], then remove the DISPLAY LED PWB.
  - (2) Disconnect the connector [CN000X] from the DISPLAY LED PWB .

### 3.1.13 REMOVING THE DD SPEAKER (Fig.2)

- Remove the REAR COVER.
- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
  - (1) Disconnect the connector [CN60SR] / [CN60SL] from the AUDIO PWB .
  - (2) Remove the 4 screws [U], then remove the DD SPEAKER.

### 3.1.14 REMOVING THE WOOFER SPEAKER (Fig.2)

- Remove the REAR COVER.
  - (1) Disconnect the connector [CN60CB] from the AUDIO PWB.
  - (2) Remove the 6 screws [V], then remove the WOOFER SPEAKER UNIT.
  - (3) Remove the 8 screws [W], then remove the DUCT COVER.
  - (4) Remove the 12 screws [X], then remove the WOOFER BACK COVER.
  - (5) Remove the 3 screws [Y], then remove the WOOFER SPEAKER

### 3.1.15 REMOVING THE PDP (PANEL) UNIT (Fig.2)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE(with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- Remove the MAIN POWER PWB.
- Remove the SUB POWER PWB.
  - (1) Disconnect the connector [CN60SL] / [CN60CB] / [CN60SR] from the AUDIO PWB .
  - (2) Disconnect the connector [CN00A] / [CN00C] / [CN00D] / [CN00E] / [CN00Q] / [CN00T] / [CN00X] / [CN0V] / [CNAH2] from the DISPLAY INTERFACE PWB.
  - (3) Remove the 16 screws [Z], then remove the BACK BRACKET.
  - (4) Lift the PDP upright and remove it with enough care not to impose shock to the PDP.

#### CAUTION:

- Two or more people are required to remove the PDP unit.
- The gas pouring port is covered with the protection material.In operation, be careful not to damage the gas pouring port.
- Do not touch the front side (glass) of the PDP with your fingers.

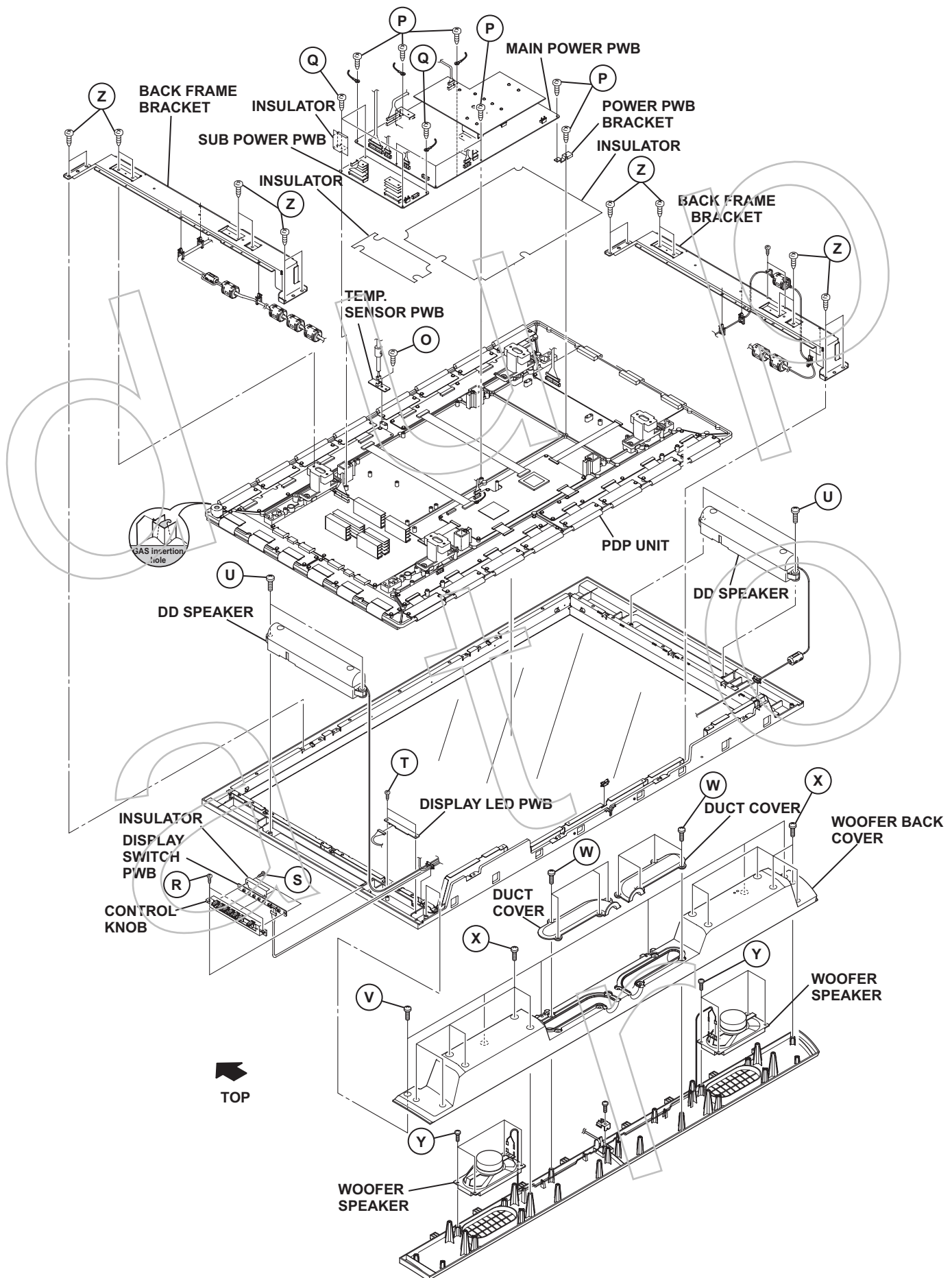


Fig.2

### 3.1.16 REMOVING THE PWB IN PDP UNIT

#### 3.1.16.1 REMOVING THE LOGIC-BUFFER-E PWB (Fig.3)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [CN806] / [CN2500] / [CN2501] / [CN2502] / [CN2503] / [CN2504] / [CN2505] / [CN2506] / [CN2507] / [EF1] from the LOGIC-BUFFER-E PWB.
  - (2) Remove the 14 screws [a], then remove the LOGIC-BUFFER-E PWB.

#### 3.1.16.2 REMOVING THE LOGIC-BUFFER-F PWB (Fig.3)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [CN402] / [CN807] / [CN2600] / [CN2601] / [CN2602] / [CN2603] / [CN2604] / [CN2605] / [CN2606] / [CN2607] / [FE1] from the LOGIC-BUFFER-F PWB.
  - (2) Remove the 14 screws [b], then remove the LOGIC-BUFFER-F PWB.

#### 3.1.16.3 REMOVING THE X-MAIN PWB (Fig.3.)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [CN4001] / [CN4002] / [CN4003] / [CN4004] / [CN4005] from the X-MAIN PWB.
  - (2) Remove the 8 screws [c], then remove the X-MAIN PWB.

#### 3.1.16.4 REMOVING THE LOGIC-MAIN PWB (Fig.3)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [CN2001] / [CN2002] / [CN2003] / [CN2004] / [CN2005] / [CN2006] / [CN207] / [LA1] from the LOGIC-MAIN PWB.
  - (2) Remove the 6 screws [d], then remove the LOGIC-MAIN PWB.

#### 3.1.16.5 REMOVING THE Y-MAIN PWB (Fig.3.)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [CN5001] / [CN5002] / [CN5003] / [CN5004] / [CN5005] / [CN5006] / [CN5007] / [CN5008] from the Y-MAIN PWB.
  - (2) Remove the 7 screws [e], then remove the Y-MAIN PWB.

#### 3.1.16.6 REMOVING THE Y-BUFFER-U PWB (Fig.3)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [CN5401] / [CN5402] / [CN5403] / [CN5404] / [CN5405] / [CN5407] from the Y-BUFFER-U PWB.
  - (2) Remove the 3 screws [f], then remove the Y-BUFFER-U PWB.

#### 3.1.16.7 REMOVING THE Y-BUFFER-L PWB (Fig.3)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [CN5501] / [CN5502] / [CN5503] / [CN5504] / [CN5505] / [CN5507] from the Y-BUFFER-L PWB.
  - (2) Remove the 3 screws [g], then remove the Y-BUFFER-L PWB.

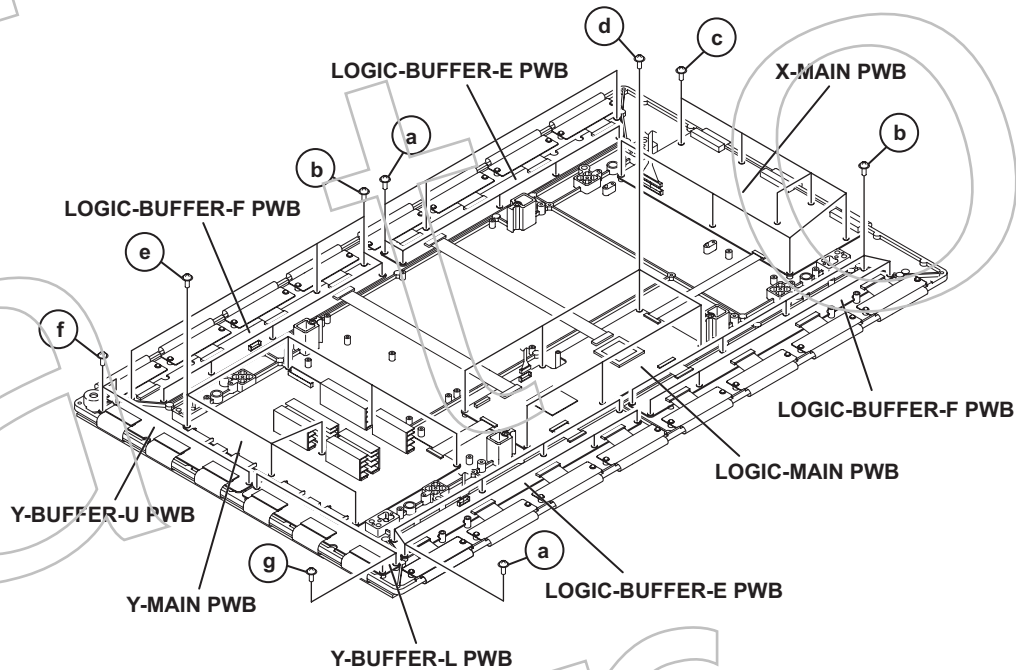


Fig.3

### 3.1.17 REMOVING THE FRONT FILTER (Fig.4.)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- Remove the MAIN POWER PWB.
- Remove the SUB POWER PWB.
- Remove the PDP UNIT.

(1) Remove the 12 screws [h], then remove the GLASS HOLDER.

(2) Remove the FRONT FILTER with enough care not to damage it.

### 3.1.18 REMOVING THE TOP FRAME BRACKET, BOTTOM FRAME BRACKET AND SIDE FRAME BRACKET (Fig.4.)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- Remove the MAIN POWER PWB.
- Remove the SUB POWER PWB.
- Remove the PDP UNIT.
- Remove the FRONT FILTER.

(1) Remove the 6 screws [i], then remove the FRONT PANEL.

(2) Remove the 4 spacers [j], the 4 screws [k], then remove the TOP FRAME BRACKET, BOTTOM FRAME BRACKET and SIDE FRAME BRACKET.

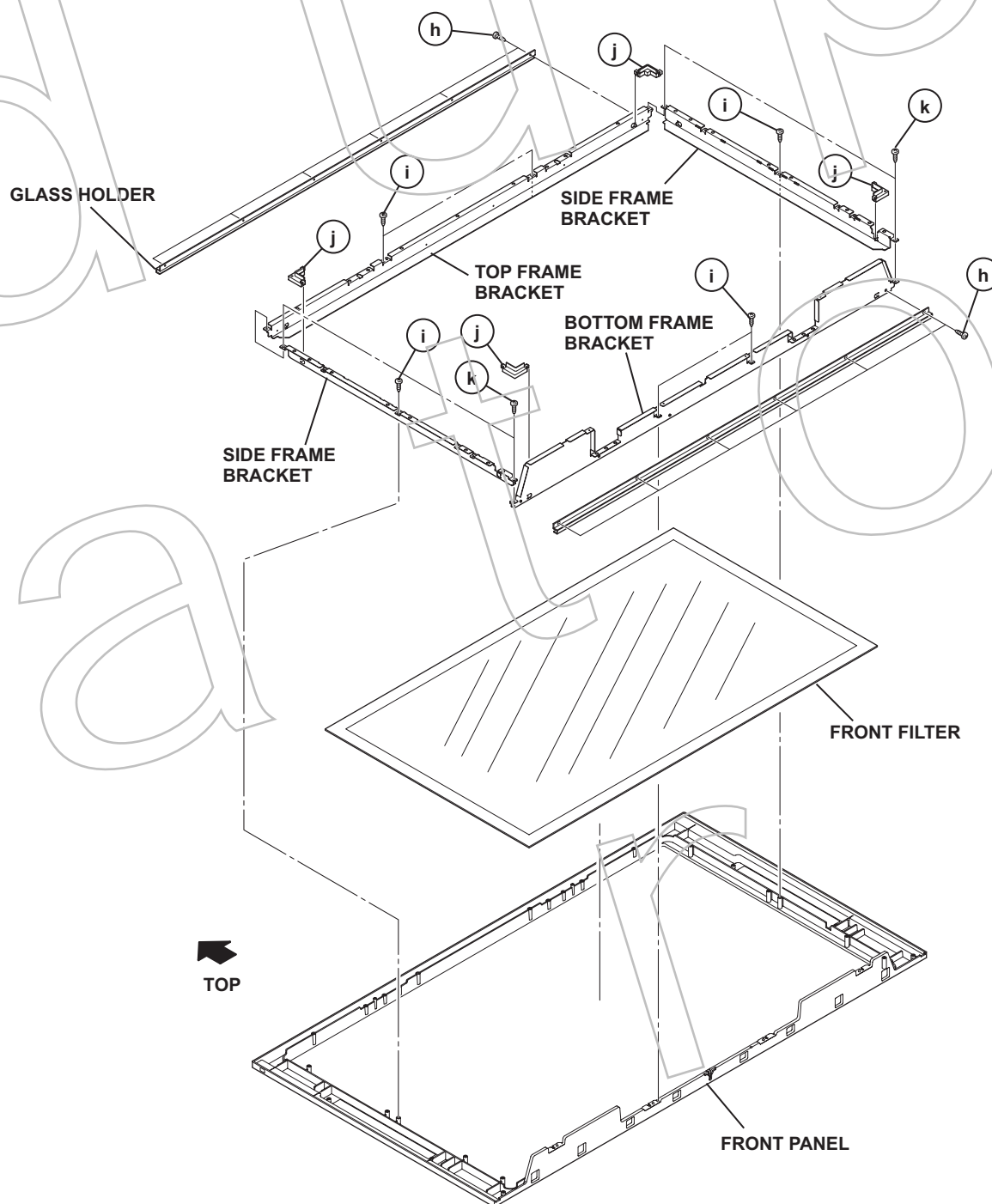


Fig.4



## 3.2 DISASSEMBLY PROCEDURE [DISPLAY UNIT: PD-50X795]

### NOTE:

- When exchanging parts etc. with the front side (PDP side) facing down, place a protection sheet under the DISPLAY UNIT to prevent scratches on the front side.
- It is advisable to take notes of the connecting locations (connector numbers) of the removed connectors.

### 3.2.1 REMOVING THE REAR COVER (Fig.5)

- (1) Remove the power cord and the system cable.
- (2) Remove the 11 screws **[A]** and the 22 screws **[B]**, then remove the REAR COVER.

### 3.2.2 REMOVING THE BACK COVER AND SPEAKER HOLDER (Fig.5)

- (1) Remove the 8 screws **[C]**, then remove the BACK COVER.
- (2) Remove the SPEAKER HOLDER.

### 3.2.3 REMOVING THE TERMINAL COVER (Fig.5)

- Remove the REAR COVER.
- (1) Remove the 6 screws **[D]**, then remove the CHASSIS SHIELD BRACKET.
- (2) Remove the 2 screws **[E]** and the 5 screws **[F]**, then remove the TERMINAL COVER.

### 3.2.4 REMOVING THE LINE FILTER PWB (Fig.5)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Remove the 2 claws **[G]**, then remove the LINE FILTER INSULATOR.
- (2) Disconnect the connector **[CN8001]** from the MAIN POWER UNIT.
- (3) Remove the 2 screws **[H]** and 2 screws **[I]**, then remove the LINE FILTER PWB.

### 3.2.5 REMOVING THE AUDIO PWB (Fig.5)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Disconnect the connector **[CN60SL]** / **[CN60CB]** / **[CN60SR]** from the AUDIO PWB.
- (2) Disconnect the connector **[CN9001]** from the SUB POWER PWB.
- (3) Disconnect the connector **[CN00A]** / **[CN00C]** / **[CN00D]** from the DISPLAY INTERFACE PWB.
- (4) Remove the 4 screws **[J]**, then remove the AUDIO PWB.

### 3.2.6 REMOVING THE DISPLAY INTERFACE PWB (Fig.5)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Disconnect the connector **[CN00A]** / **[CN00C]** / **[CN00D]** / **[CN00E]** / **[CN00G]** / **[CN00Q]** / **[CN00T]** / **[CN00X]** / **[CN00V]** / **[CN0FL]** / **[CN0FR]** / **[CN601]** / **[CNAH1]** from the DISPLAY INTERFACE PWB.
- (2) Remove the 3 screws **[K]**, the 2 screws **[L]** and 2 screws **[M]**, then remove the DISPLAY INTERFACE PWB.

### 3.2.7 REMOVING THE CHASSIS BASE (Fig.5)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the LINE FILTER PWB.
- Remove the AUDIO PWB.
- Remove the DISPLAY INTERFACE PWB.
- (1) Remove the 2 screws **[N]**, then remove the CHASSIS BASE.

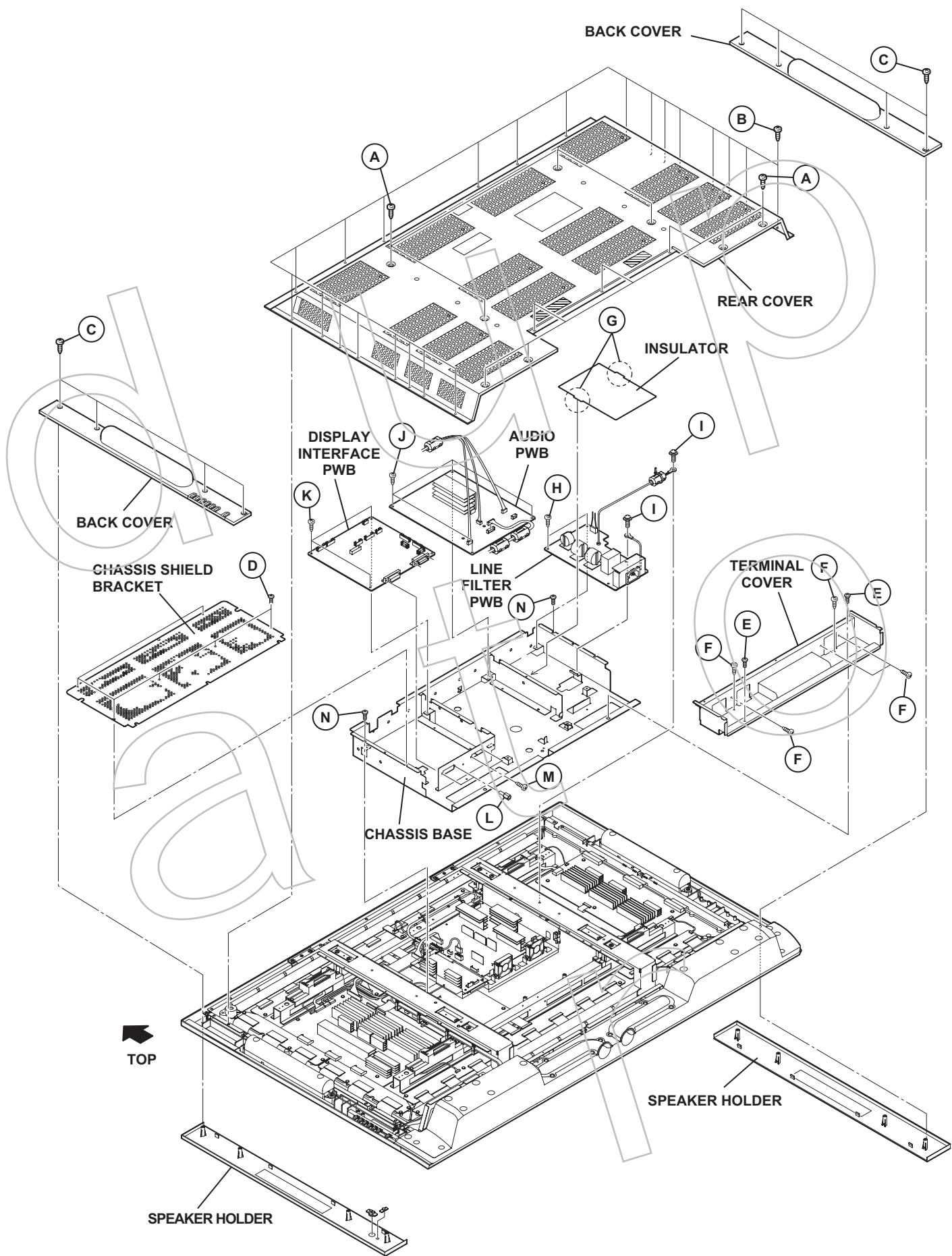


Fig.5



### 3.2.8 REMOVING THE TEMP. SENSOR PWB (Fig.6)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN800V] from the TEMP. SENSOR PWB PWB.
- (2) Remove the 1 screw [O], then remove the TEMP. SENSOR PWB.

### 3.2.9 REMOVING THE MAIN POWER UNIT (Fig.6)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN805] / [CN806] / [CN8001] / [CN8009] / [CN8011] / [CN9001] from the MAIN POWER UNIT.
- (2) Remove the 8 screws [P], then remove the MAIN POWER UNIT.

### 3.2.10 REMOVING THE SUB POWER PWB (Fig.6)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN9001] / [CN9002] / [CN9005] from the SUB POWER PWB.
- (2) Remove the 4 screws [Q], then remove the SUB POWER PWB.

### 3.2.11 REMOVING THE COOLING FAN (Fig.6)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN0FL] / [CN0FR] from the DISPLAY INTERFACE PWB.
- (2) Remove the 4 screws [R], then remove the COOLING FAN BRACKET by lifting upward.
- (3) Remove the 4 screws [S], then remove the COOLING FAN by pulling in the arrowed direction.

### 3.2.12 REMOVING THE POWER CHASSIS BASE (Fig.6)

- Remove the REAR COVER.
- Remove the MAIN POWER UNIT.
- Remove the SUB POWER PWB.
- Remove the COOLING FAN.
- (1) Remove the 5 screws [T], then remove the POWER CHASSIS BASE.

### 3.2.13 REMOVING THE DISPLAY SWITCH PWB (Fig.6)

- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
- (1) Remove the 2 screws [U] and the 3 screws [V], then remove the DISPLAY SWITCH PWB and CONTROL KNOB.
- (2) Disconnect the connector [CN000T] from the DISPLAY SWITCH PWB.

### 3.2.14 REMOVING THE DISPLAY LED PWB (Fig.6)

- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
- Remove the DISPLAY SWITCH PWB.
- (1) Remove the 2 screws [W], then remove the DISPLAY LED PWB.
- (2) Disconnect the connector [CN000X] from the DISPLAY LED PWB.

### 3.2.15 REMOVING THE DD SPEAKER (Fig.6)

- Remove the REAR COVER.
- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
- (1) Disconnect the connector [CN60SR] / [CN60SL] from the AUDIO PWB.
- (2) Remove the 4 screws [X], then remove the DD SPEAKER.

### 3.2.16 REMOVING THE WOOFER SPEAKER (Fig.6)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN60CB] from the AUDIO PWB.
- (2) Remove the 6 screws [Y], then remove the WOOFER SPEAKER UNIT.
- (3) Remove the 8 screws [Z], then remove the DUCT COVER.
- (4) Remove the 10 screws [a] and the 4 screws [b], then remove the WOOFER BACK COVER.
- (5) Remove the 8 screws [c], then remove the WOOFER SPEAKER.

### 3.2.17 REMOVING THE PDP (PANEL) UNIT (Fig.6)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the POWER CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- (1) Remove the 16 screws [d], then remove the BACK BRACKET.
- (2) Remove the 4 screws [e] then Lift the PDP straight upward and remove it with extra attention not to impose any shock to the PDP.

#### CAUTION:

- More than two people are required to remove the PDP unit.
- The gas pouring port is covered with the protection material. During the operation, be careful not to damage the gas pouring port.
- Do not touch the front side (glass) of the PDP with your fingers.

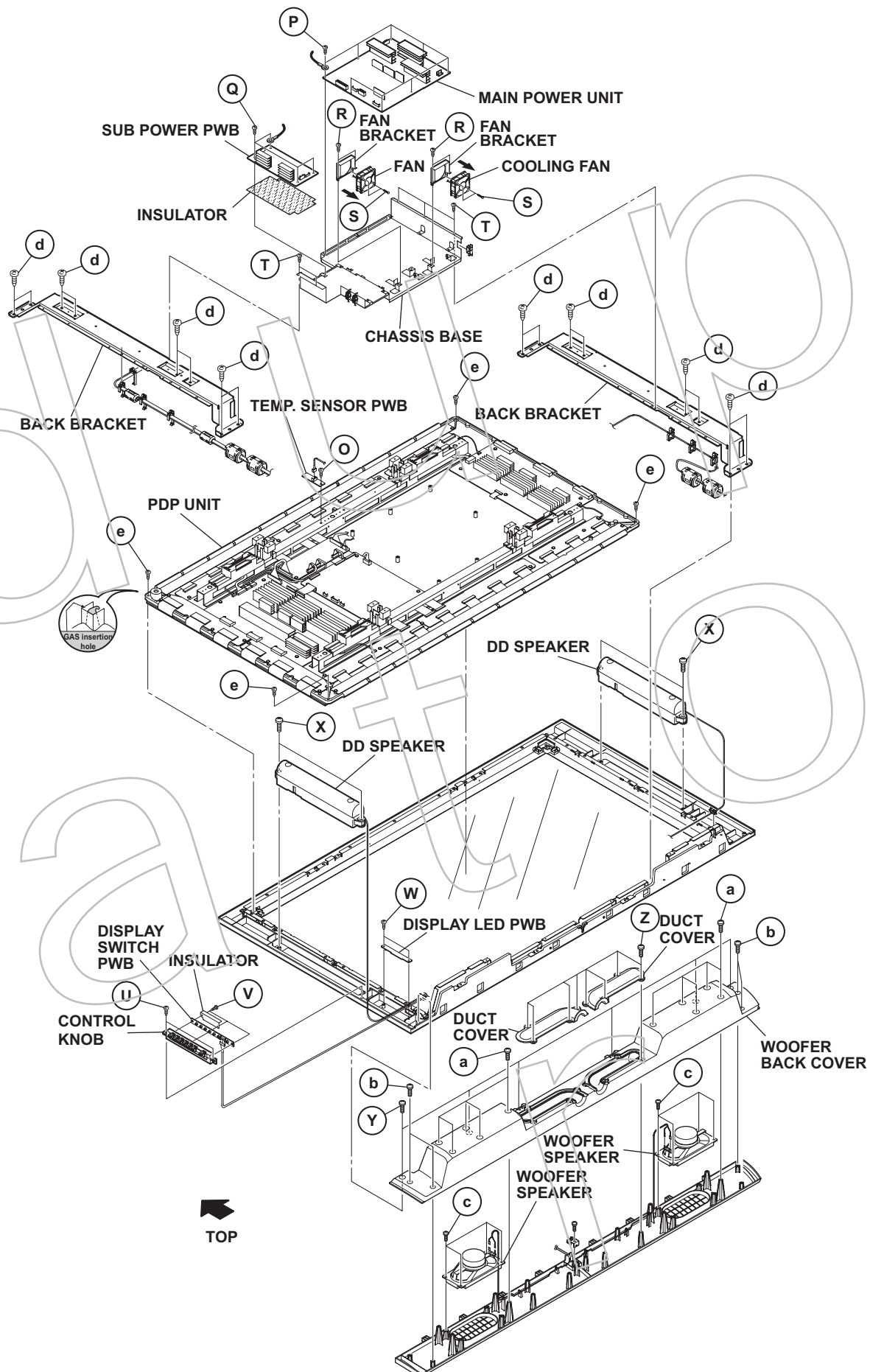


Fig.6

### 3.2.18 REMOVING THE PWB IN PDP UNIT

#### 3.2.18.1 REMOVING THE X-LEFT-TOP PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [P4] / [P5] / [P501] / [P502] / [P503] / [P504] from the X-LEFT TOP PWB .
  - (2) Remove the 2 screws [f] and the 1 screw [g], then remove the X-LEFT-TOP PWB.

#### 3.2.18.2 REMOVING THE X-CENTER-TOP PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [P5] / [P6] / [P10] / [P100] / [P505] / [P506] / [P507] / [P508] from the X-CENTER TOP PWB .
  - (2) Remove the 1 screw [f] and the 2 screws [h], then remove the X-CENTER-TOP PWB.

#### 3.2.18.3 REMOVING THE X-RIGHT-TOP PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P1] / [P4] / [P5] / [P6] / [P509] / [P510] / [P511] from the X-RIGHT TOP PWB .
  - (2) Remove the 2 screws [i], then remove the X-RIGHT-TOP PWB.

#### 3.2.18.4 REMOVING THE Z-SUS PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P1] / [P2] / [P3] / [P5] / [P6] / [P9] / [P12] from the Z-SUS PWB .
  - (2) Remove the 9 screws [j], then remove the Z-SUS PWB.

#### 3.2.18.5 REMOVING THE DC/DC PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P21] / [P22] / [P23] / [P24] / [P25] / [P26] from the DC/DC PWB .
  - (2) Remove the 4 screws [k], then remove the DC/DC PWB.

#### 3.2.18.6 REMOVING THE LVDS CONTROL PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P2] / [P3] / [P101] / [P102] / [P103] / [P104] / [P105] / [P106] / [P200] / [P201] / [P300] from the LVDS CONTROL PWB .
  - (2) Remove the 4 screws [m], then remove the LVDS CONTROL PWB.

#### 3.2.18.7 REMOVING THE TEMP. SENSOR PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P3] from the LVDS CONTROL PWB.
  - (2) Remove the 2 screws [n], then remove the TEMP. SENSOR PWB.

#### 3.2.18.8 REMOVING THE Y-SUS PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P2] / [P3] / [P4] / [P5] / [P6] / [P7] / [P8] / [P9] / [P10] / [P11] from the Y-SUS PWB .
  - (2) Remove the 8 screws [o], then remove the Y-SUS PWB.

#### 3.2.18.9 REMOVING THE Y-DRIVE-UPPER PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P9] / [P10] from the Y-SUB PWB .
  - (2) Disconnect the connector [P7] / [P8] / [P9] / [P10] / [P12] / [P13] from the Y-DRIVE UPPER PWB .
  - (3) Remove the 2 screws [p], then remove the Y-DRIVE-UPPER PWB.

#### 3.2.18.10 REMOVING THE Y-DRIVE-LOWER PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [P2] / [P10] from the Y-SUB PWB .
  - (2) Disconnect the connector [P1] / [P2] / [P3] / [P4] / [P5] / [P11] from the Y-DRIVE LOWER PWB .
  - (3) Remove the 2 screws [q], then remove the Y-DRIVE-LOWER PWB.

#### 3.2.18.11 REMOVING THE X-RIGHT-BOTTOM PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connector [P2] / [P3] / [P7] / [P401] / [P402] / [P403] from the X-RIGHT BOTTOM PWB .
  - (2) Remove the 2 screws [r], then remove the X-RIGHT-BOTTOM PWB.

#### 3.2.18.12 REMOVING THE X-CENTER-BOTTOM PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P1] / [P4] / [P7] / [P405] / [P406] / [P407] / [P408] / [P425] from the X-CENTER BOTTOM PWB .
  - (2) Remove the 2 screws [s] and the 1 screw [t], then remove the X-CENTER-BOTTOM PWB.

#### 3.2.18.13 REMOVING THE X-LEFT-BOTTOM PWB (Fig.7)

- Remove the PDP UNIT.
  - (1) Disconnect the connectors [P1] / [P2] / [P401] / [P402] / [P403] / [P404] from the X-LEFT-BOTTOM PWB .
  - (2) Remove the 1 screw [t] and the 2 screws [u], then remove the X-LEFT-BOTTOM PWB.

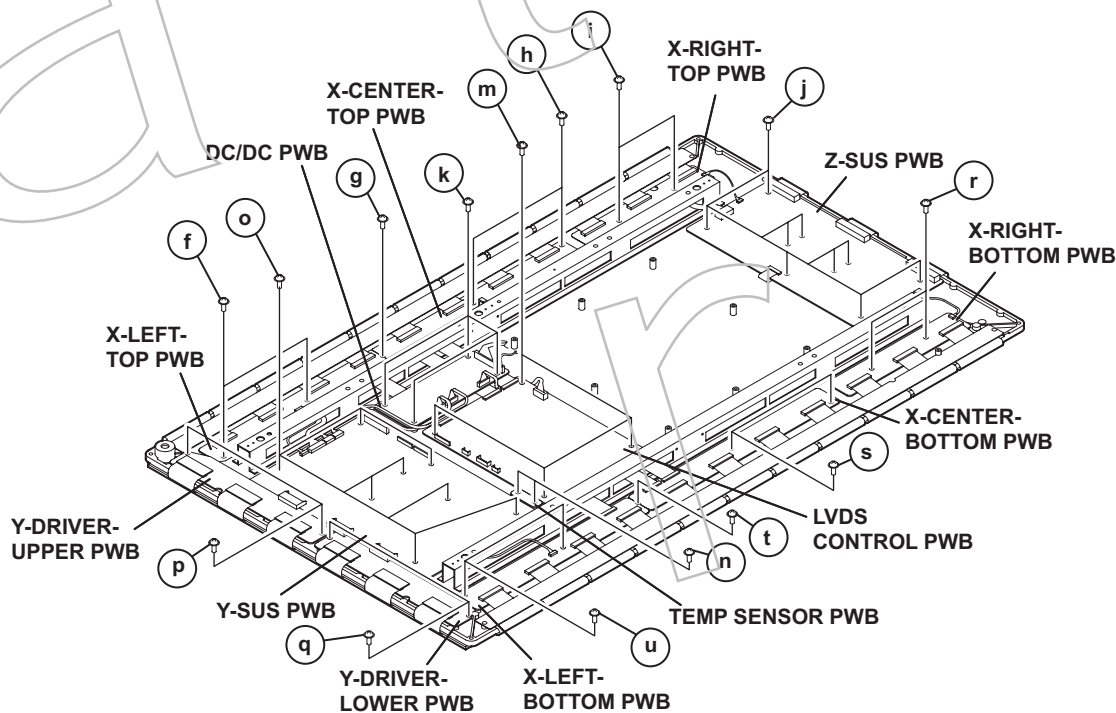


Fig.7

### 3.2.19 REMOVING THE FRONT FILTER (Fig.8)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the POWER CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- Remove the PDP UNIT.

- (1) Remove the 12 screws [v], then remove the GLASS HOLDER.
- (2) Remove the FRONT FILTER with enough care not to damage it.

### 3.2.20 REMOVING THE TOP FRAME BRACKET, BOTTOM FRAME BRACKET AND SIDE FRAME BRACKET (Fig.8)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the POWER CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- Remove the PDP UNIT.
- Remove the FRONT FILTER.

- (1) Remove the 6 screws [w], then remove the FRONT PANEL.
- (2) Remove the 8 screws [x], then remove the SPACER.
- (3) Remove the 4 screws [y], then remove the TOP FRAME BRACKET, BOTTOM FRAME BRACKET and SIDE FRAME BRACKET.

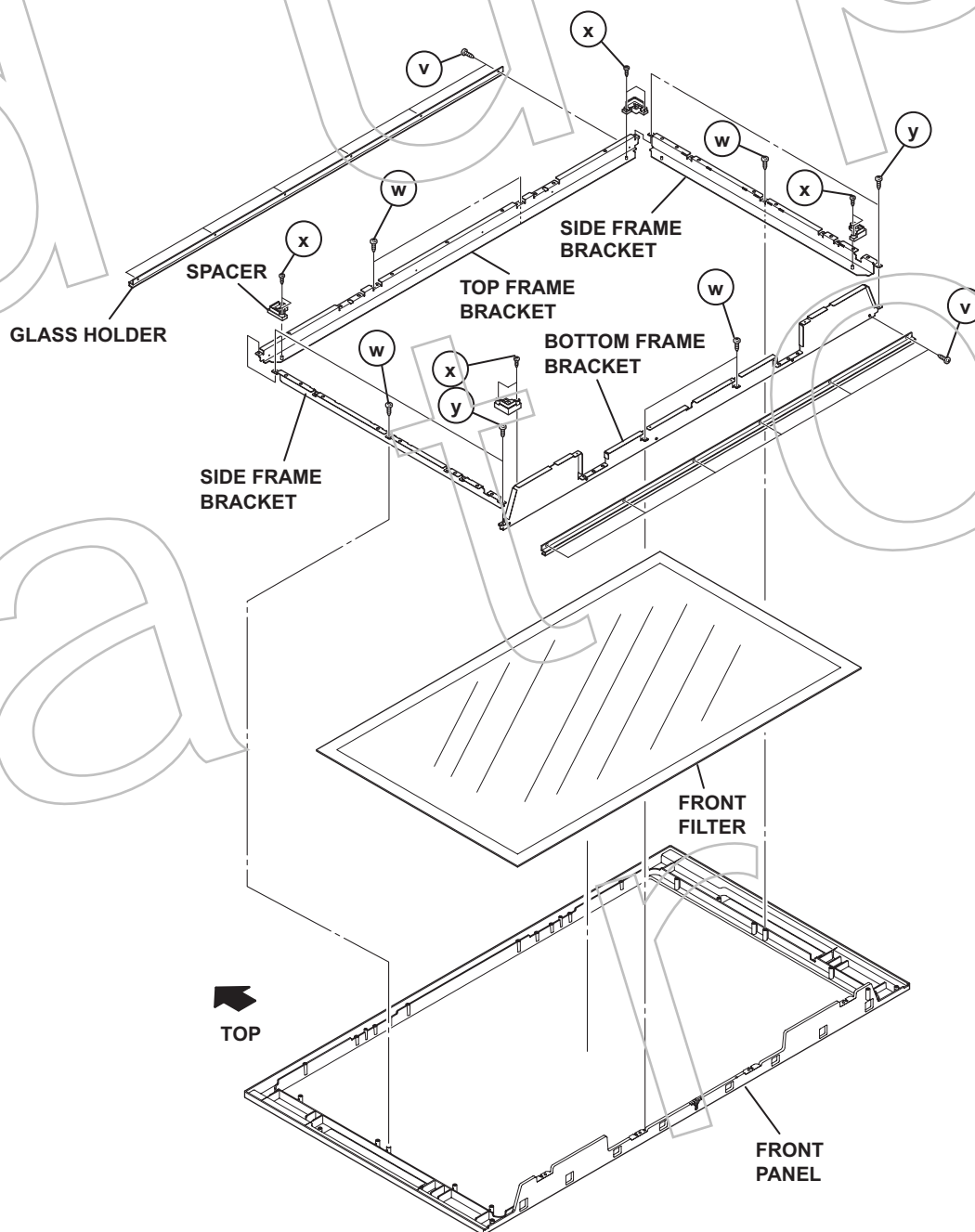


Fig.8



### 3.3 DISASSEMBLY PROCEDURE [RECEIVER UNIT]

#### NOTE:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

#### 3.3.1 REMOVING THE TOP COVER

- (1) Remove the 9 screws **[A]** then remove the TOP COVER.

#### 3.3.2 REMOVING THE FRONT PANEL

- Remove the TOP COVER.
  - (1) Remove the 1 screw **[B]** and the 1 screw **[C]**.
  - (2) Remove the 3 claws **[D]** and the 2 claws **[E]**.
  - (3) Remove the FRONT PANEL toward you.

#### 3.3.3 REMOVING THE FRONT CONTROL PWB

- Remove the TOP COVER.
- Remove the FRONT PANEL.
  - (1) Remove the **[CN800F]** connector on the ANALOG SIGNAL PWB.
  - (2) Remove the 4 screws **[F]**, then remove the FRONT CONTROL PWB.

#### 3.3.4 REMOVING THE REAR COVER

- Remove the TOP COVER.
  - (1) Remove the 12 screws **[G]**, the 2 nuts **[H]**, the 2 washers **[J]**, the 2 screws **[K]**, the 2 screws **[L]**, the 2 screws **[M]** and the 1 screw **[N]**.
  - (2) Remove the REAR COVER toward you.

#### 3.3.5 REMOVING THE COOLING FAN

- Remove the TOP COVER.
  - (1) Remove the **[CN00Q]** connector on the SYSTEM POWER PWB.
  - (2) Remove the 2 screws **[O]**, then remove the FAN BRACKET.
  - (3) Remove the 1 screw **[P]**, then remove the COOLING FAN.

#### 3.3.6 REMOVING THE ATSC TUNER MODULE

- Remove the TOP COVER.
- Remove the REAR COVER.
  - (1) Remove the **[CN1302]** / **[CN1502]** / **[CN9601]** connector on the ATSC TUNER MODULE.
  - (2) Remove the 5 screws **[Q]**, then remove the ATSC TUNER MODULE.

#### 3.3.7 REMOVING THE SD CARD PWB

- Remove the TOP COVER.
- Remove the FRONT PANEL.
- Remove the COOLING FAN.
  - (1) Remove the **[CN1001]** connectors on the SD CARD PWB.
  - (2) Remove the 3 screws **[R]**, then remove the SD CARD PWB.

#### 3.3.8 REMOVING THE RECEIVER PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
  - (1) Remove the **[CN00A]** / **[CN00T]** connectors on the RECEIVER PWB.
  - (2) Remove the RECEIVER PWB.

#### 3.3.9 REMOVING THE REAR JACK PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
  - (1) Remove the **[CNJ0J1]** / **[CNJ0J2]** connectors on the ANALOG SIGNAL PWB.
  - (2) Remove the 2 screws **[S]**, then remove the REAR JACK PWB.

#### 3.3.10 REMOVING THE DIGITAL SIGNAL PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
- Remove the ATSC TUNER UNIT.
  - (1) Remove the **[CN001]** / **[CN002]** connectors on the ANALOG SIGNAL PWB.
  - (2) Remove the **[CN003]** connector on the REGULATOR PWB.
  - (3) Remove the 4 screws **[T]**, then remove the DIGITAL HOLDER.
  - (4) Remove the 3 screws **[U]**, then remove the DIGITAL SIGNAL PWB.

#### 3.3.11 REMOVING THE REGULATOR PWB

- Remove the TOP COVER.
- Remove the FRONT PANEL.
- Remove the COOLING FAN.
- Remove the SD CARD PWB.
  - (1) Remove the **[CN003]** / **[CN008]** / **[CN00D]** connector on the REGULATOR PWB.
  - (2) Remove the 4 screws **[V]**, then remove the REGULATOR PWB.

#### 3.3.12 REMOVING THE SYSTEM POWER PWB

- Remove the TOP COVER.
  - (1) Remove the **[CN00G]** connector on the ANALOG SIGNAL PWB.
  - (2) Remove the **[CN008]** connector on the REGULATOR PWB.
  - (3) Remove the **[CN9601]** connector on the ATSC TUNER UNIT.
  - (4) Remove the **[CN00Q]** / **[CN0PW]** connector on the SYSTEM POWER PWB.
  - (5) Remove the 7 screws **[W]**, then remove the SYSTEM POWER PWB.

#### 3.3.13 REMOVING THE ANALOG SIGNAL PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
- Remove the RECEIVER PWB.
  - (1) Remove the **[CN001]** / **[CN002]** / **[CN00D]** / **[CN00F]** / **[CN00G]** / **[CNJ0J1]** / **[CNJ0J2]** connector on the ANALOG SIGNAL PWB.
  - (2) Remove the 2 screws **[X]**, then remove the ANALOG SIGNAL PWB.

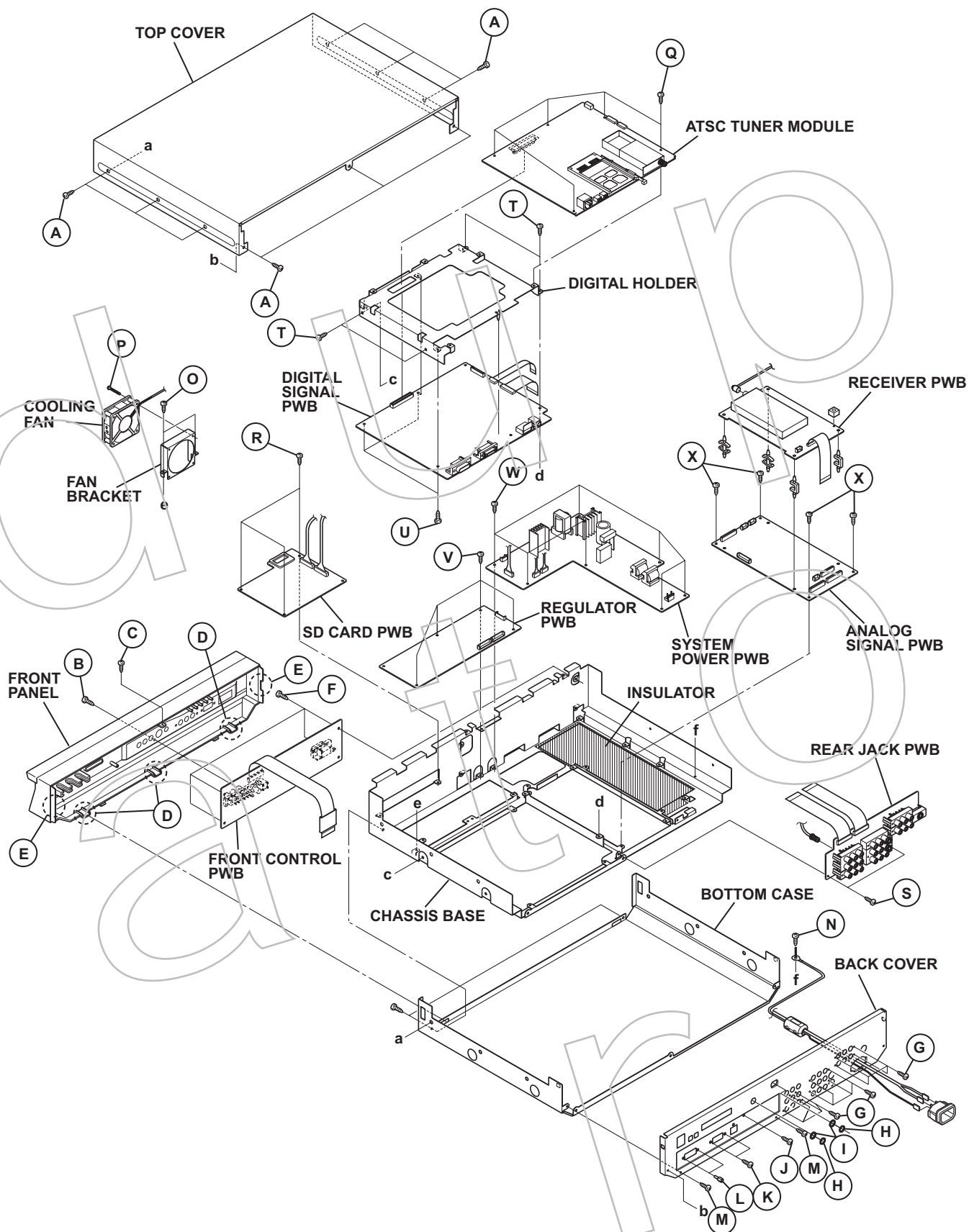


Fig.9

### 3.4 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

#### 3.4.1 MEMORY IC REPLACEMENT PROCEDURE

##### 1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

##### 2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

##### 3. Power on

Connect the power plug to the AC outlet and switch on the power.

##### 4. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

##### 5. User setting

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

##### 6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

#### 3.4.2 SERVICE MODE SETTING

##### ■SERVICE MODE SCREEN

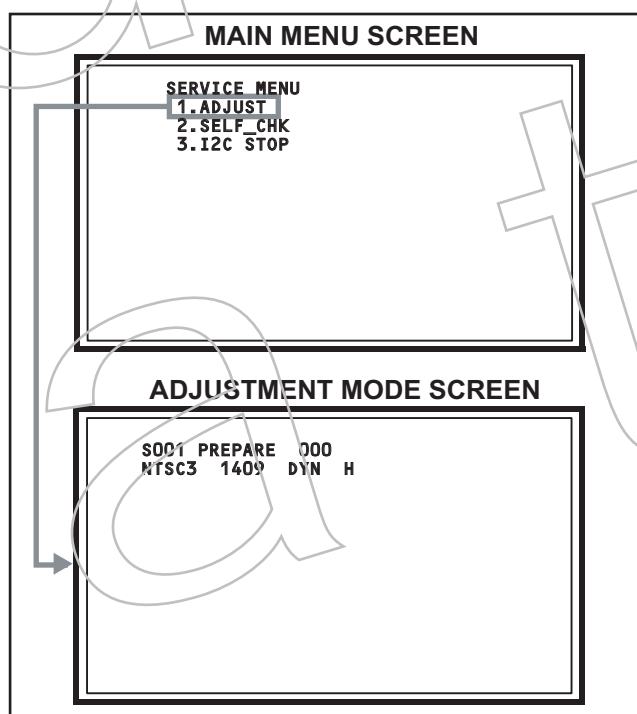


Fig.1

##### ■SETTING ITEM

| Setting items                | Settings | Item No.    |
|------------------------------|----------|-------------|
| Video system setting         | Adjust   | S001 - S039 |
| Audio system setting         | Adjust   | T001 - T010 |
| Panel control system setting | Fixed    | P001 - P010 |
| Drive system setting         | Fixed    | D001 - D187 |
| Main cpu system setting      | Fixed    | Z001 - Z010 |



### 3.4.3 SETTINGS OF FACTORY SHIPMENT

#### 3.4.3.1 BUTTON OPERATION [DISPLAY UNIT]

| Setting item | Setting position |
|--------------|------------------|
| POWER        | Off              |
| CHANNEL      | CABLE-02         |
| VOLUME       | 10               |
| INPUT        | TV               |

#### 3.4.3.2 REMOTE CONTROL DIRECT OPERATION

| Setting item   | Setting position |
|----------------|------------------|
| INPUT          | TV               |
| CHANNEL        | CABLE-02         |
| VOLUME         | 10               |
| MUTING         | OFF              |
| DISPLAY        | OFF              |
| ASPECT         | NTSC PANORAMA    |
|                | HD FULL          |
| MULTI SCREEN   | 1 SCREEN         |
| SLEEP TIMER    | OFF              |
| CLOSED CAPTION | OFF              |
| THEATER PRO    | OFF              |
| NATURAL CINEMA | AUTO             |
| VIDEO STATUS   | DYNAMIC          |
| MTS            | STEREO           |
| SOUND EFFECT   | A.H.S OFF        |
|                | BBE ON           |
|                | SMART SOUND OFF  |
|                | A.H.B ON         |

#### 3.4.3.3 REMOTE CONTROL MENU OPERATION

##### 1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

##### < NTSC MODE >

| Setting item      | DYNAMIC | STANDARD | GAME | THEATER |
|-------------------|---------|----------|------|---------|
| PICTURE           | +12     | 00       | -05  | 00      |
| BRIGHT            | 00      | 00       | 00   | 00      |
| COLOR             | +08     | 00       | -03  | 00      |
| TINT              | 00      | 00       | -05  | 00      |
| DETAIL            | +05     | 00       | -03  | 00      |
| COLOR TEMPERATURE | HIGH    | LOW      | HIGH | HIGH    |
| DIG. NOISE CLEAR  | OFF     | OFF      | OFF  | OFF     |
| NATURAL CINEMA    | AUTO    | AUTO     | AUTO | AUTO    |
| COLOR MANAGEMENT  | ON      | ON       | ON   | ON      |
| DYNAMIC GAMMA     | ON      | ON       | ON   | ON      |

##### < HD MODE >

| Setting item      | DYNAMIC | STANDARD | GAME | THEATER |
|-------------------|---------|----------|------|---------|
| PICTURE           | +12     | 00       | -05  | 00      |
| BRIGHT            | 00      | 00       | 00   | 00      |
| COLOR             | +08     | 00       | -03  | 00      |
| TINT              | 00      | 00       | 00   | 00      |
| DETAIL            | +05     | 00       | -03  | 00      |
| COLOR TEMPERATURE | HIGH    | LOW      | HIGH | LOW     |
| DIG. NOISE CLEAR  | OFF     | OFF      | OFF  | OFF     |
| NATURAL CINEMA    | AUTO    | AUTO     | AUTO | AUTO    |
| COLOR MANAGEMENT  | ON      | ON       | ON   | ON      |
| DYNAMIC GAMMA     | ON      | ON       | ON   | ON      |

##### 2. SOUND ADJUST

| Setting item | Setting position |
|--------------|------------------|
| BASS         | 00               |
| TREBLE       | 00               |
| BALANCE      | 00               |
| MTS          | STEREO           |

##### 3. CLOCK / TIMERS

| Setting item   | Setting position |
|----------------|------------------|
| ON / OFF TIMER | OFF              |

##### 4. INITIAL SETUP

| Setting item        | Setting position |
|---------------------|------------------|
| VIDEO-1 MONITOR OUT | OFF              |
| TV SPEAKER          | ON               |
| AUDIO OUT           | FIX              |
| DIGITAL-IN          | SIZE 1           |
| DIGITAL-IN AUDIO    | DIGITAL          |
| CENTER CH INPUT     | OFF              |
| NOISE MUTING        | ON               |
| FRONT PANEL LOCK    | OFF              |
| V1 SMART INPUT      | OFF              |
| VIDEO INPUT LABEL   | All blank        |
| POSITION ADJUSTMENT | Center           |
| POWER INDICATOR     | HIGH             |
| LANGUAGE            | ENG.             |
| CLOSED CAPTION      | OFF              |
| AUTO SHUT OFF       | OFF              |
| XDS ID              | ON               |
| V-CHIP              | OFF              |
| AUTO DEMO           | OFF              |

### 3.5 REPLACEMENT OF CHIP COMPONENT

#### 3.5.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

#### 3.5.2 SOLDERING IRON

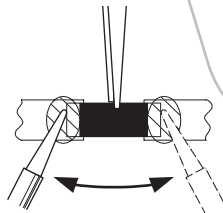
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

#### 3.5.3 REPLACEMENT STEPS

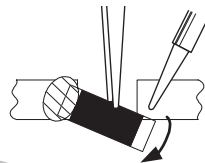
##### 1. How to remove Chip parts

###### [Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

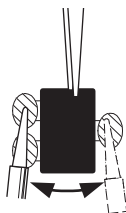


###### [Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



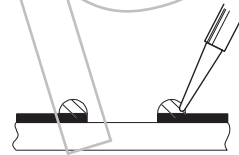
#### NOTE :

After removing the part, remove remaining solder from the pattern.

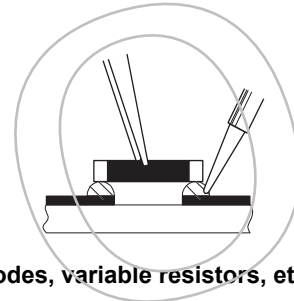
##### 2. How to install Chip parts

###### [Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

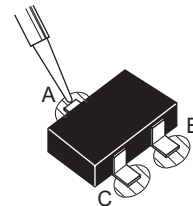


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

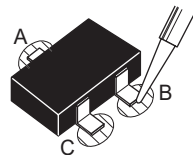


###### [Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



- (4) Then solder leads B and C.



## SECTION 4 ADJUSTMENT

### 4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the **REMOTE CONTROL UNIT** and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the **REMOTE CONTROL UNIT** is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

### 4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the **REMOTE CONTROL UNIT**.

| Setting item                     | Settings |
|----------------------------------|----------|
| VIDEO STATUS                     | STANDARD |
| BRIGHT / CONTRAST / COLOR / TINT | 00       |
| COLOR TEMPERATURE                | LOW      |
| DIG. NOISE CLEAR                 | OFF      |
| COLOR MANAGEMENT                 | ON       |
| DYNAMIC GAMMA                    | ON       |
| NATURAL CINEMA                   | AUTO     |
| TREBLE / BASS / BALANCE          | 00       |
| BBE                              | ON       |
| A.H.S                            | OFF      |
| A.H.B                            | ON       |
| MTS                              | STEREO   |
| SMART SOUND                      | OFF      |
| AUDIO OUT                        | FIX      |
| ASPECT                           | FULL     |

### 4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)  
[NTSC / 525i / 1125i]
- TV audio multiplex signal generator
- Remote control unit

### 4.4 ADJUSTMENT ITEMS

- **POWER CIRCUIT [DISPLAY UNIT: PD-42X795]**
  - PDP POWER VOLTAGE adjustment
- **POWER CIRCUIT [DISPLAY UNIT: PD-50X795]**
  - PDP POWER VOLTAGE adjustment
- **VIDEO CIRCUIT [RECEIVER UNIT]**
  - 525i A-D OFFSET adjustment
  - 1125i BRIGHTNESS adjustment
  - 1125i A-D OFFSET adjustment
  - SUB SCREEN A-D OFFSET adjustment
  - WHITE BALANCE (HIGHLIGHT) adjustment
- **MTS CIRCUIT [RECEIVER UNIT]**
  - MTS INPUT LEVEL adjustment
  - MTS SEPARATION adjustment

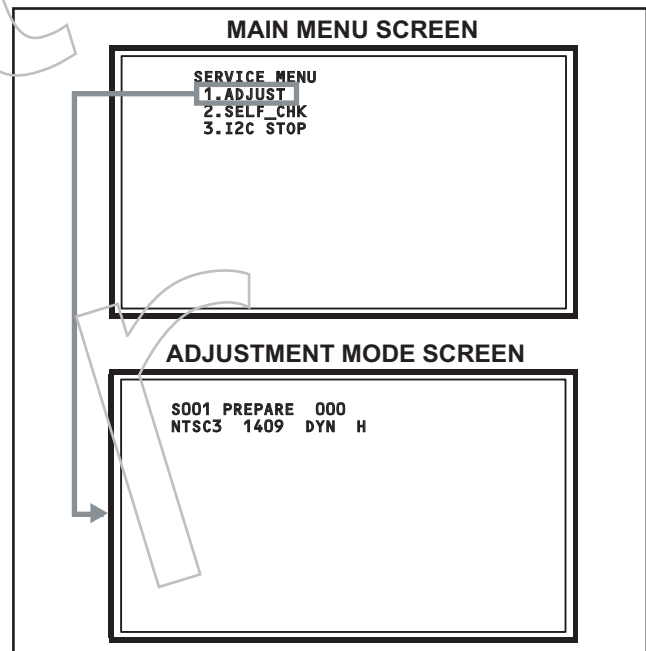
### 4.5 BASIC OPERATION OF SERVICE MODE

#### 4.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Set to 0 minutes using the [SLEEP TIMER] key.
- (2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.
- (3) When the MAIN MENU SCREEN is displayed, press [1] key to enter the adjustment mode.

#### NOTE:

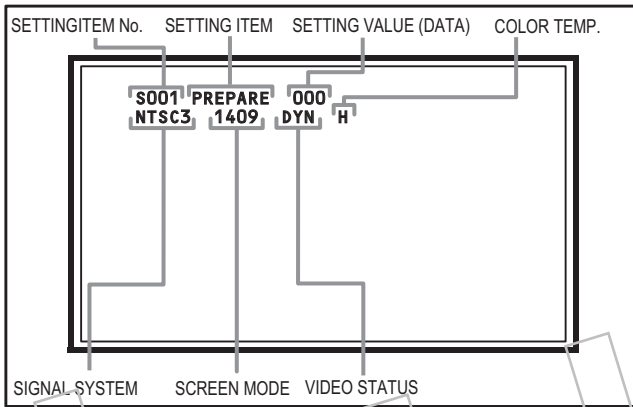
- Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the [1] to [3] key is pressed in the MAIN MENU SCREEN, the other relevant screen may be displayed.  
This is not used in the adjustment procedure. Press the [MENU] key to return to the MAIN MENU SCREEN.



#### 4.5.2 HOW TO EXIT THE SERVICE MODE

Press the [ MENU ] key to exit the Service mode.

#### 4.5.3 DESCRIPTION OF STATUS DISPLAY



##### (1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

|        |                                    |
|--------|------------------------------------|
| NTSC3  | : 525i (Composite / S-video input) |
| 525i   | : 525i (Component input)           |
| 525P   | : 525p                             |
| 1125i6 | : 1125i                            |
| 750P   | : 750p                             |
| H525i  | : HDMI 525i                        |
| H525P  | : HDMI 525p                        |
| H125i6 | : HDMI 1125i                       |
| H750P  | : HDMI 750p                        |
| PCVGA  | : PC (VGA)                         |
| PCXGA  | : PC (XGA)                         |

##### (2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

###### SINGLE SCREEN

|       |                         |
|-------|-------------------------|
| 1409  | : FULL                  |
| 1609  | : PANORAMA, HD PANORAMA |
| 1609S | : CINEMA, CINEMA ZOOM   |
| FULL  | : REGULAR               |

###### MULTI SCREEN

|     |                 |
|-----|-----------------|
| M12 | : FREEZE screen |
| FRZ | : TWIN screen   |
| STD | : INDEX screen  |

##### (3) VIDEO STATUS

|      |            |
|------|------------|
| STD  | : STANDARD |
| DYN  | : DYNAMIC  |
| TH   | : THEATER  |
| GAME | : GAME     |

##### (4) COLOR TEMP.

|   |        |
|---|--------|
| H | : HIGH |
| M | : LOW  |

##### (5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

| Item No.    | Setting item                 |
|-------------|------------------------------|
| S001 - S039 | Video system setting         |
| T001 - T010 | Audio system setting         |
| P001 - P010 | Panel control system setting |
| D001 - D187 | Drive system setting         |
| Z001 - Z010 | Main CPU system setting      |

##### (6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

##### (7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

#### 4.5.4 CHANGE AND MEMORY OF SETTING VALUE

##### SELECTION OF SETTING ITEM

- [CHANNEL (+/-)] key.  
For scrolling up / down the setting items.

S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

- [SLEEP TIMER] key.  
For switching to next items.

S001 → T001 → P001 → D001 → Z001

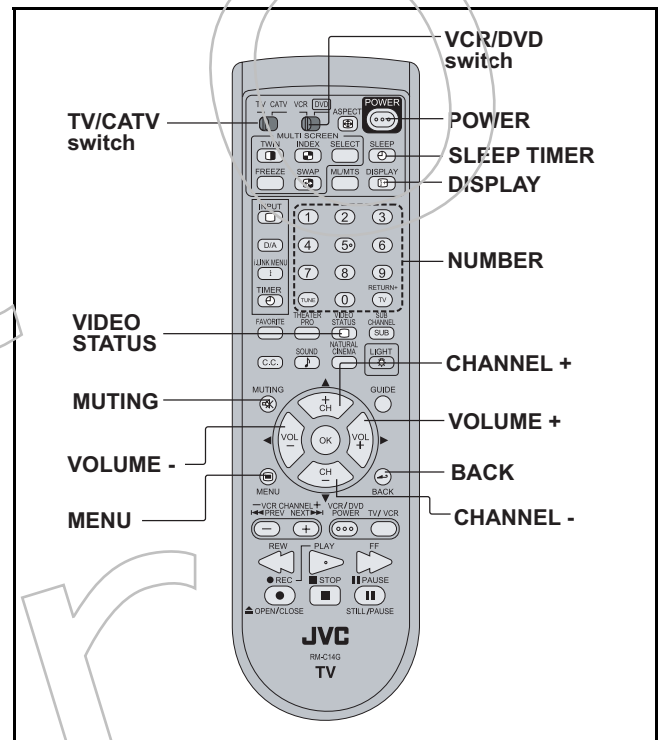
##### CHANGE OF SETTING VALUE (DATA)

- [VOLUME (+/-)] key.  
For scrolling up / down the setting values.

##### MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing [MUTING] key.

#### 4.5.5 SERVICE MODE SELECT KEY LOCATION



## 4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

### 4.6.1 VIDEO SYSTEM SETTING

| Item No. | Item name     | Variable range | Setting value |
|----------|---------------|----------------|---------------|
| S001     | PREPARE       | 000 - 031      | 000           |
| S002     | NTSC BL       | 000 - 015      | 000           |
| S003     | NTSC CNT      | 000 - 255      | 033           |
| S004     | NT CR OF      | 000 - 015      | 006           |
| S005     | NT CB OF      | 000 - 015      | 006           |
| S006     | 525i BL       | 000 - 015      | 000           |
| S007     | 525i CNT      | 000 - 255      | 033           |
| S008     | 5i CB OF      | 000 - 015      | 000           |
| S009     | 5i CR OF      | 000 - 015      | 000           |
| S010     | 5i CR GN      | 000 - 015      | 006           |
| S011     | 5i CB GN      | 000 - 015      | 006           |
| S012     | HD BL         | 000 - 063      | 057           |
| S013     | HD CB OF      | 000 - 063      | 058           |
| S014     | HD CR OF      | 000 - 063      | 060           |
| S015     | RT CONT       | 000 - 015      | 007           |
| S016     | RT CB OF      | 000 - 015      | 005           |
| S017     | RT CR OF      | 000 - 015      | 007           |
| S018     | RT CL GA      | 000 - 015      | 004           |
| S019     | PC CL MB      | 000 - 007      | 000           |
| S020     | PC CL LB      | 000 - 031      | 000           |
| S021     | PC CL MR      | 000 - 071      | 000           |
| S022     | PC CL LR      | 000 - 031      | 000           |
| S023     | (Not display) | 000 - 255      | 000           |
| S024     | (Not display) | 000 - 255      | 000           |
| S025     | (Not display) | 000 - 255      | 000           |
| S026     | (Not display) | 000 - 255      | 000           |
| S027     | (Not display) | 000 - 255      | 000           |
| S028     | (Not display) | 000 - 255      | 000           |
| S029     | (Not display) | 000 - 255      | 000           |
| S030     | R DRIVE       | 000 - 255      | 143           |
| S031     | G DRIVE       | 000 - 255      | 133           |
| S032     | B DRIVE       | 000 - 255      | 140           |
| S033     | (Not display) | 000 - 255      | 000           |
| S034     | (Not display) | 000 - 255      | 000           |
| S035     | (Not display) | 000 - 255      | 000           |
| S036     | (Not display) | 000 - 255      | 000           |
| S037     | (Not display) | 000 - 255      | 000           |
| S038     | (Not display) | 000 - 255      | 000           |
| S039     | ILA COM       | 000 - 001      | 000           |

### 4.6.2 AUDIO SYSTEM SETTING

| Item No. | Item name     | Variable range | Setting value |
|----------|---------------|----------------|---------------|
| T001     | IN LEVEL      | 000 - 255      | 010           |
| T002     | LOW SEP       | 000 - 255      | 030           |
| T003     | HIGH SEP      | 000 - 255      | 019           |
| T004     | AFC           | -128 - +127    | +00           |
| T005     | (Not display) | 00 - FF        | 00            |
| T006     | ATT V ON      | 000 - 001      | 000           |
| T007     | ATT U ON      | 000 - 001      | 000           |
| T008     | ATT C ON      | 000 - 001      | 000           |
| T009     | (Not display) | 000 - 255      | 000           |
| T010     | (Not display) | 000 - 255      | 000           |

### 4.6.3 PANEL CONTOROL SYSTEM SETTING (\*Fixed values)

| Item No. | Item name     | Variable range | Setting value |
|----------|---------------|----------------|---------------|
| P001     | TM HOR H      | 00 - FF        | 02            |
| P002     | TM HOR L      | 00 - FF        | 59            |
| P003     | TM MIN        | 00 - FF        | 20            |
| P004     | TEMP0         | 000 - 255      | 000           |
| P005     | (Not display) | 000 - 255      | 000           |
| P006     | (Not display) | 000 - 255      | 000           |
| P007     | (Not display) | 000 - 255      | 000           |
| P008     | (Not display) | 000 - 255      | 000           |
| P009     | (Not display) | 000 - 255      | 000           |
| P010     | (Not display) | 000 - 255      | 000           |

### 4.6.4 DRIVE SYSTEM SETTING (\*Fixed values)

| Item No. | Item name | Variable range | Setting value |
|----------|-----------|----------------|---------------|
| D001     | SLV GN    | 00 - 3F        | 20            |
| D002     | SLVH GN   | 00 - 3F        | 20            |
| D003     | SLH GN    | 00 - 3F        | 20            |
| D004     | SLV Pf    | 00 - 03        | 01            |
| D005     | SLH Pf H  | 00 - 01        | 01            |
| D006     | SLH Pf L  | 00 - 03        | 01            |
| D007     | SL EGCON  | 00 - 3F        | 04            |
| D008     | SL EGONF  | 00 - 01        | 01            |
| D009     | SL CRGON  | 00 - 3F        | 05            |
| D010     | SL CRGON  | 00 - 01        | 01            |
| D011     | SL ON OF  | 00 - 01        | 01            |
| D012     | SV GN     | 00 - 3F        | 20            |
| D013     | SVH GN    | 00 - 3F        | 18            |
| D014     | SH GN     | 00 - 3F        | 25            |
| D015     | SV Pf     | 00 - 03        | 01            |
| D016     | SV PfH    | 00 - 01        | 01            |
| D017     | SV PfL    | 00 - 03        | 01            |
| D018     | SYL CON   | 00 - 3F        | 30            |
| D019     | SYL CONF  | 00 - 01        | 01            |

| Item No. | Item name     | Variable range | Setting value |
|----------|---------------|----------------|---------------|
| D020     | SYH CON       | 00 - 3F        | 18            |
| D021     | SYH CONF      | 00 - 01        | 01            |
| D022     | SC CON        | 00 - 3F        | 36            |
| D023     | SC CNONF      | 00 - 01        | 01            |
| D024     | SPM BLC       | 00 - 3F        | 08            |
| D025     | SPM BLCO      | 00 - 01        | 01            |
| D026     | SLIM          | 00 - 3F        | 30            |
| D027     | SLIMONF       | 00 - 01        | 01            |
| D028     | SCRG          | 00 - 3F        | 06            |
| D029     | SRGONF        | 00 - 01        | 01            |
| D030     | S ONF         | 00 - 01        | 01            |
| D031     | pb GN         | 00 - 3F        | 15            |
| D032     | pb PfH        | 00 - 01        | 00            |
| D033     | pb PfL        | 00 - 03        | 03            |
| D034     | pb CRG        | 00 - 3F        | 04            |
| D035     | pb CRGON      | 00 - 01        | 01            |
| D036     | pb ONF        | 00 - 01        | 01            |
| D037     | pr GN         | 00 - 3F        | 15            |
| D038     | pr PfH        | 00 - 01        | 00            |
| D039     | pr PfL        | 00 - 03        | 03            |
| D040     | pr CRG        | 00 - 3F        | 04            |
| D041     | pr CRGON      | 00 - 01        | 00            |
| D042     | pr ONF        | 00 - 01        | 01            |
| D043     | ENH ONF       | 00 - 01        | 01            |
| D044     | (Not display) | 00 - FF        | 00            |
| D045     | (Not display) | 00 - FF        | 00            |
| D046     | (Not display) | 00 - FF        | 00            |
| D047     | (Not display) | 00 - FF        | 00            |
| D048     | (Not display) | 00 - FF        | 00            |
| D049     | (Not display) | 00 - FF        | 00            |
| D050     | (Not display) | 00 - FF        | 00            |
| D051     | (Not display) | 00 - FF        | 00            |
| D052     | (Not display) | 00 - FF        | 00            |
| D053     | (Not display) | 00 - FF        | 00            |
| D054     | (Not display) | 00 - FF        | 00            |
| D055     | (Not display) | 00 - FF        | 00            |
| D056     | (Not display) | 00 - FF        | 00            |
| D057     | (Not display) | 00 - FF        | 00            |
| D058     | (Not display) | 00 - FF        | 00            |
| D059     | (Not display) | 00 - FF        | 00            |
| D060     | (Not display) | 00 - FF        | 00            |
| D061     | (Not display) | 00 - FF        | 00            |
| D062     | (Not display) | 00 - FF        | 00            |
| D063     | (Not display) | 00 - FF        | 00            |
| D064     | (Not display) | 00 - FF        | 00            |
| D065     | (Not display) | 00 - FF        | 00            |
| D066     | (Not display) | 00 - FF        | 00            |
| D067     | (Not display) | 00 - FF        | 00            |
| D068     | (Not display) | 00 - FF        | 00            |
| D069     | (Not display) | 00 - FF        | 00            |

| Item No. | Item name     | Variable range | Setting value |
|----------|---------------|----------------|---------------|
| D070     | (Not display) | 00 - FF        | 00            |
| D071     | (Not display) | 00 - FF        | 00            |
| D072     | (Not display) | 00 - FF        | 00            |
| D073     | (Not display) | 00 - FF        | 00            |
| D074     | (Not display) | 00 - FF        | 00            |
| D075     | (Not display) | 00 - FF        | 00            |
| D076     | (Not display) | 00 - FF        | 00            |
| D077     | (Not display) | 00 - FF        | 00            |
| D078     | (Not display) | 00 - FF        | 00            |
| D079     | (Not display) | 00 - FF        | 00            |
| D080     | (Not display) | 00 - FF        | 00            |
| D081     | (Not display) | 00 - FF        | 00            |
| D082     | (Not display) | 00 - FF        | 00            |
| D083     | (Not display) | 00 - FF        | 00            |
| D084     | (Not display) | 00 - FF        | 00            |
| D085     | (Not display) | 00 - FF        | 00            |
| D086     | (Not display) | 00 - FF        | 00            |
| D087     | (Not display) | 00 - FF        | 00            |
| D088     | (Not display) | 00 - FF        | 00            |
| D089     | (Not display) | 00 - FF        | 00            |
| D090     | (Not display) | 00 - FF        | 00            |
| D091     | (Not display) | 00 - FF        | 00            |
| D092     | (Not display) | 00 - FF        | 00            |
| D093     | (Not display) | 00 - FF        | 00            |
| D094     | (Not display) | 00 - FF        | 00            |
| D095     | (Not display) | 00 - FF        | 00            |
| D096     | (Not display) | 00 - FF        | 00            |
| D097     | (Not display) | 00 - FF        | 00            |
| D098     | (Not display) | 00 - FF        | 00            |
| D099     | (Not display) | 00 - FF        | 00            |
| D101     | (Not display) | 00 - FF        | 00            |
| D102     | (Not display) | 00 - FF        | 00            |
| D103     | (Not display) | 00 - FF        | 00            |
| D104     | (Not display) | 00 - FF        | 00            |
| D105     | (Not display) | 00 - FF        | 00            |
| D106     | (Not display) | 00 - FF        | 00            |
| D107     | (Not display) | 00 - FF        | 00            |
| D108     | (Not display) | 00 - FF        | 00            |
| D109     | (Not display) | 00 - FF        | 00            |
| D110     | (Not display) | 00 - FF        | 00            |
| D111     | (Not display) | 00 - FF        | 00            |
| D112     | (Not display) | 00 - FF        | 00            |
| D113     | (Not display) | 00 - FF        | 00            |
| D114     | (Not display) | 00 - FF        | 00            |
| D115     | (Not display) | 00 - FF        | 00            |
| D116     | (Not display) | 00 - FF        | 00            |
| D117     | (Not display) | 00 - FF        | 00            |
| D118     | (Not display) | 00 - FF        | 00            |
| D119     | (Not display) | 00 - FF        | 00            |
| D120     | (Not display) | 00 - FF        | 00            |

| Item No. | Item name     | Variable range | Setting value |
|----------|---------------|----------------|---------------|
| D121     | (Not display) | 00 - FF        | 00            |
| D122     | (Not display) | 00 - FF        | 00            |
| D123     | (Not display) | 00 - FF        | 00            |
| D124     | (Not display) | 00 - FF        | 00            |
| D125     | (Not display) | 00 - FF        | 00            |
| D126     | (Not display) | 00 - FF        | 00            |
| D127     | (Not display) | 00 - FF        | 00            |
| D128     | (Not display) | 00 - FF        | 00            |
| D129     | (Not display) | 00 - FF        | 00            |
| D130     | (Not display) | 00 - FF        | 00            |
| D131     | (Not display) | 00 - FF        | 00            |
| D132     | (Not display) | 00 - FF        | 00            |
| D133     | (Not display) | 00 - FF        | 00            |
| D134     | (Not display) | 00 - FF        | 00            |
| D135     | (Not display) | 00 - FF        | 00            |
| D136     | (Not display) | 00 - FF        | 00            |
| D137     | (Not display) | 00 - FF        | 00            |
| D138     | (Not display) | 00 - FF        | 00            |
| D139     | (Not display) | 00 - FF        | 00            |
| D140     | (Not display) | 00 - FF        | 00            |
| D141     | (Not display) | 00 - FF        | 00            |
| D142     | (Not display) | 00 - FF        | 00            |
| D143     | (Not display) | 00 - FF        | 00            |
| D144     | (Not display) | 00 - FF        | 00            |
| D145     | (Not display) | 00 - FF        | 00            |
| D146     | (Not display) | 00 - FF        | 00            |
| D147     | (Not display) | 00 - FF        | 00            |
| D148     | (Not display) | 00 - FF        | 00            |
| D149     | (Not display) | 00 - FF        | 00            |
| D150     | (Not display) | 00 - FF        | 00            |
| D151     | (Not display) | 00 - FF        | 00            |
| D152     | (Not display) | 00 - FF        | 00            |
| D153     | (Not display) | 00 - FF        | 00            |
| D154     | (Not display) | 00 - FF        | 00            |
| D155     | (Not display) | 00 - FF        | 00            |
| D156     | (Not display) | 00 - FF        | 00            |
| D157     | (Not display) | 00 - FF        | 00            |
| D158     | (Not display) | 00 - FF        | 00            |
| D159     | (Not display) | 00 - FF        | 00            |
| D160     | (Not display) | 00 - FF        | 00            |
| D161     | (Not display) | 00 - FF        | 00            |
| D162     | (Not display) | 00 - FF        | 00            |
| D163     | (Not display) | 00 - FF        | 00            |
| D164     | (Not display) | 00 - FF        | 00            |
| D165     | (Not display) | 00 - FF        | 00            |
| D166     | (Not display) | 00 - FF        | 00            |
| D167     | (Not display) | 00 - FF        | 00            |
| D168     | (Not display) | 00 - FF        | 00            |
| D169     | (Not display) | 00 - FF        | 00            |
| D170     | (Not display) | 00 - FF        | 00            |

| Item No. | Item name     | Variable range | Setting value |
|----------|---------------|----------------|---------------|
| D171     | (Not display) | 00 - FF        | 00            |
| D172     | (Not display) | 00 - FF        | 00            |
| D173     | (Not display) | 00 - FF        | 00            |
| D174     | (Not display) | 00 - FF        | 00            |
| D175     | (Not display) | 00 - FF        | 00            |
| D176     | (Not display) | 00 - FF        | 00            |
| D177     | (Not display) | 00 - FF        | 00            |
| D178     | (Not display) | 00 - FF        | 00            |
| D179     | (Not display) | 00 - FF        | 00            |
| D180     | (Not display) | 00 - FF        | 00            |
| D181     | (Not display) | 00 - FF        | 00            |
| D182     | (Not display) | 00 - FF        | 00            |
| D183     | (Not display) | 00 - FF        | 00            |
| D184     | (Not display) | 00 - FF        | 00            |
| D185     | (Not display) | 00 - FF        | 00            |
| D186     | (Not display) | 00 - FF        | 00            |
| D187     | (Not display) | 00 - FF        | 00            |

#### 4.6.5 MAIN CPU SYSTEM SETTING (\*Fixed values)

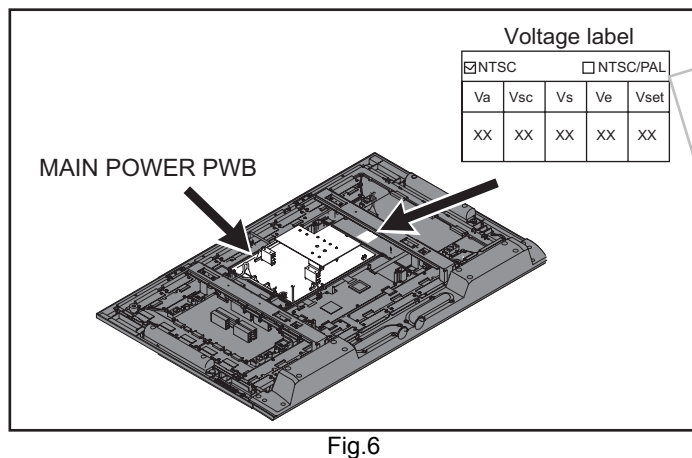
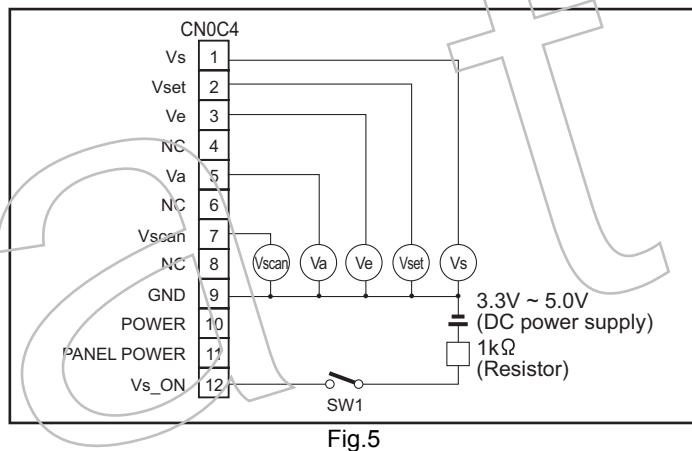
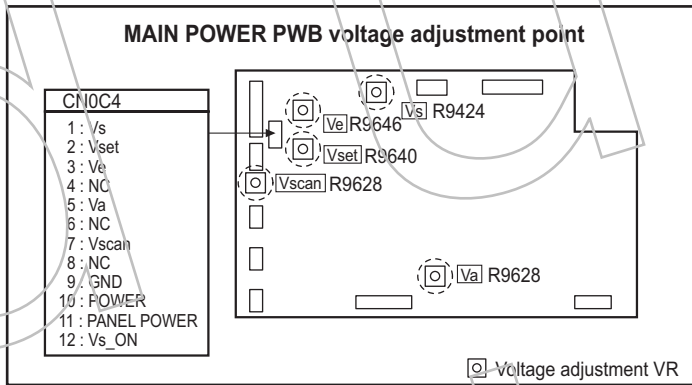
| Item No. | Item name     | Variable range | Setting value |
|----------|---------------|----------------|---------------|
| Z001     | (Not display) | 00 - FF        | 00            |
| Z002     | (Not display) | 00 - FF        | 00            |
| Z003     | (Not display) | 00 - FF        | 00            |
| Z004     | (Not display) | 00 - FF        | 00            |
| Z005     | (Not display) | 00 - FF        | 00            |
| Z006     | (Not display) | 00 - FF        | 00            |
| Z007     | (Not display) | 00 - FF        | 00            |
| Z008     | (Not display) | 00 - FF        | 00            |
| Z009     | (Not display) | 00 - FF        | 00            |
| Z010     | (Not display) | 00 - FF        | 00            |



## 4.7 ADJUSTMENT PROCEDURE

### 4.7.1 POWER CIRCUIT [DISPLAY UNIT: PD-42X795]

| Item                     | Measuring instrument  | Test point   | Adjustment part  | Description  |
|--------------------------|---|--|--|--|
| <b>PDP POWER VOLTAGE</b> | Signal generator<br><br>DC voltmeter<br><br>Resistor (1kΩ)<br><br>DC power supply | Connector <a href="#">CN0C4</a><br>Vs<br>Vset<br>Ve<br>Va<br>Vscan<br>[MAIN POWER PWB] | Vs VR:170V ADJ ( <a href="#">R9424</a> )<br>Vset VR:160V ADJ ( <a href="#">R9640</a> )<br>Ve VR:155V ADJ ( <a href="#">R9646</a> )<br>Va VR:70V ADJ ( <a href="#">R9219</a> )<br>Vscan VR:-60V ADJ ( <a href="#">R9628</a> )<br>[MAIN POWER PWB] | <p><b>CAUTION:</b></p> <ul style="list-style-type: none"> <li>During adjustment operation of PDP POWER VOLTAGE, don't touch the heat sink of the MAIN POWER PWB. If you touch it, electric shock may be caused.</li> </ul> <p><b>&lt; When MAIN POWER PWB is not replaced &gt;</b></p> <ol style="list-style-type: none"> <li>Connect the DC voltmeter, load resistor (1kΩ), DC power supply and switch SW1 to the <a href="#">CN0C4</a> connector and turn on the main power and switch SW1. (See Fig.2.)</li> <li>Adjust Vs (170V ADJ) VR, Vset (160V ADJ) VR, Ve (155V ADJ) VR, Va (70V ADJ) VR and Vscan (-60V ADJ) VR so that the Vs, Vset, Ve, Va and Vscan voltage coincides with the values in the voltage label.</li> <li>Input a NTSC all-black signal and check that it coincides with the values in the voltage label.</li> <li>Readjust if the adjusted value is different from those in the voltage label.</li> </ol> <p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>Designed value for the panel is printed on a label on the upper-right at the back of the PDP. (See Fig.3.)</li> </ul> <p><b>&lt; When MAIN POWER PWB is replaced &gt;</b></p> <p><b>CAUTION:</b></p> <ul style="list-style-type: none"> <li>Before making adjustments, be sure not to turn on the power when the <a href="#">CN8002</a>, <a href="#">CN8003</a>, <a href="#">CN8005</a>, <a href="#">CN8006</a> and <a href="#">CN8008</a> connectors are connected, as this may cause the PDP to break down.</li> </ul> <ol style="list-style-type: none"> <li>Disconnect the <a href="#">CN8002</a>, <a href="#">CN8003</a>, <a href="#">CN8005</a>, <a href="#">CN8006</a> and <a href="#">CN8008</a> connectors on the MAIN POWER PWB.</li> <li>Connect the DC voltmeter, load resistor (1kΩ), DC power supply and switch SW1 to the <a href="#">CN0C4</a> connector and turn on the main power and switch SW1. (See Fig.2.)</li> <li>Adjust Vs (170V ADJ) VR, Vset (160V ADJ) VR, Ve (155V ADJ) VR, Va (70V ADJ) VR and Vscan (-60V ADJ) VR so that the Vs, Vset, Ve, Va and Vscan voltage coincides with the values in the voltage label.</li> <li>Turn off the main power and switch SW1, and connect the <a href="#">CN8002</a>, <a href="#">CN8003</a>, <a href="#">CN8005</a>, <a href="#">CN8006</a> and <a href="#">CN8008</a> connectors and turn on the power again.</li> <li>Input a NTSC all-black signal and check that it coincides with the values in the voltage label.</li> <li>If the adjusted value is different from those in the voltage label, fine-tune without unplugging the connectors.</li> </ol> <p><b>CAUTION:</b></p> <ul style="list-style-type: none"> <li>Designated power supply voltage of the panel (Vs, Vset, Ve, Va, Vscan) varies according to the PDP unit.</li> <li>Pay careful attention during adjustment, as any error in procedure may cause the PDP to break down.</li> </ul> |



#### 4.7.2 POWER CIRCUIT [DISPLAY UNIT: PD-50X795]

| Item                     | Measuring instrument                 | Test point  | Adjustment part  | Description   |
|--------------------------|--------------------------------------|---|--|---|
| <b>PDP POWER VOLTAGE</b> | Signal generator<br><br>DC voltmeter | Connector <b>CN806</b><br>Vs<br>Va<br>[MAIN POWER UNIT] | Vs VR:190V ADJ ( <a href="#">R551</a> )<br>Va VR:60V ADJ ( <a href="#">R351</a> )<br>[MAIN POWER UNIT] | <p><b>CAUTION:</b></p> <ul style="list-style-type: none"> <li>During adjustment operation of PDP POWER VOLTAGE, don't touch the heat sink of the MAIN POWER UNIT. If you touch it, electric shock may be caused.</li> </ul> <p><b>&lt; When MAIN POWER UNIT is not replaced &gt;</b></p> <ol style="list-style-type: none"> <li>Connect the DC voltmeter to the <a href="#">CN806</a> connector and turn on the power. (See Fig.2)</li> <li>Adjust Vs (190V ADJ) VR and Va (60V ADJ) VR so that the Vs and Va voltage coincides with the values in the voltage label.</li> <li>Input a NTSC all-black signal and check that it coincides with the values in the voltage label.</li> <li>Readjust if the adjusted value is different from those in the voltage label.</li> </ol> <p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>Designed value for the panel is printed on a label on the upper-left at the back of the PDP. (See Fig.3)</li> </ul> <p><b>&lt; When MAIN POWER UNIT is replaced &gt;</b></p> <p><b>CAUTION:</b></p> <ul style="list-style-type: none"> <li>Before making adjustments, be sure not to turn on the power when the <a href="#">CN805</a> and <a href="#">CN806</a> connectors are connected, as this may cause the PDP to break down.</li> </ul> <ol style="list-style-type: none"> <li>Disconnect the <a href="#">CN805</a> and <a href="#">CN806</a> connectors on the MAIN POWER UNIT.</li> <li>Connect DC voltmeter to the <a href="#">CN806</a> connector and turn on the power. (See Fig.2)</li> <li>Adjust Vs (190V ADJ) VR and Va (70V ADJ) VR so that the Vs and Va voltage coincides with the values in the voltage label.</li> <li>Turn off the power, and connect the <a href="#">CN805</a> and <a href="#">CN806</a> connectors and turn on the power again.</li> <li>Input a NTSC all-black signal and check that it coincides with the values in the voltage label.</li> <li>If the adjusted value is different from those in the voltage label, fine-tune without unplugging the connectors.</li> </ol> <p><b>CAUTION:</b></p> <ul style="list-style-type: none"> <li>Designated power supply voltage of the panel (Vs, Va) varies according to the PDP unit.</li> <li>Pay careful attention during adjustment, as any error in procedure may cause the PDP to break down.</li> </ul> |

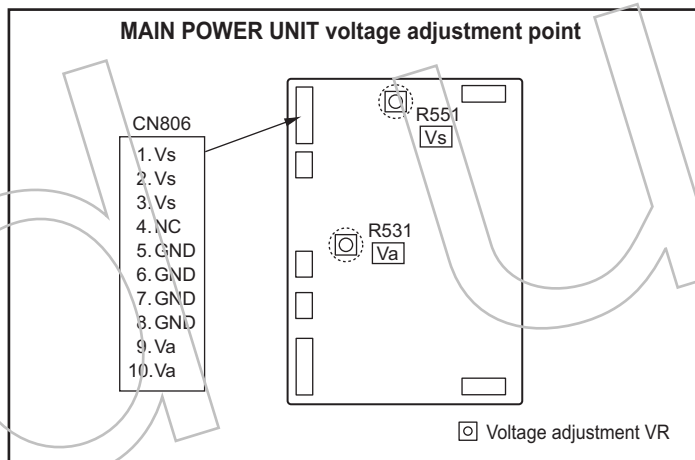


Fig.1

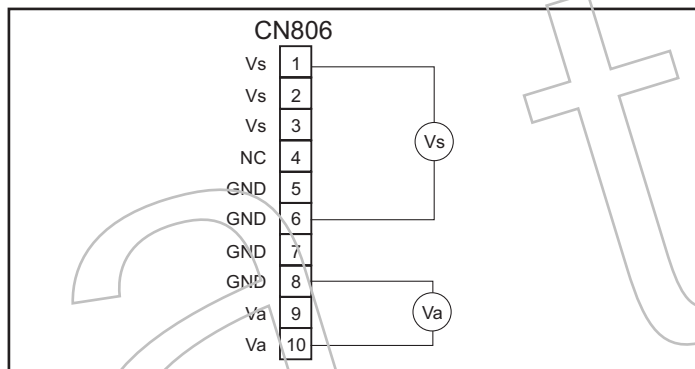


Fig.2

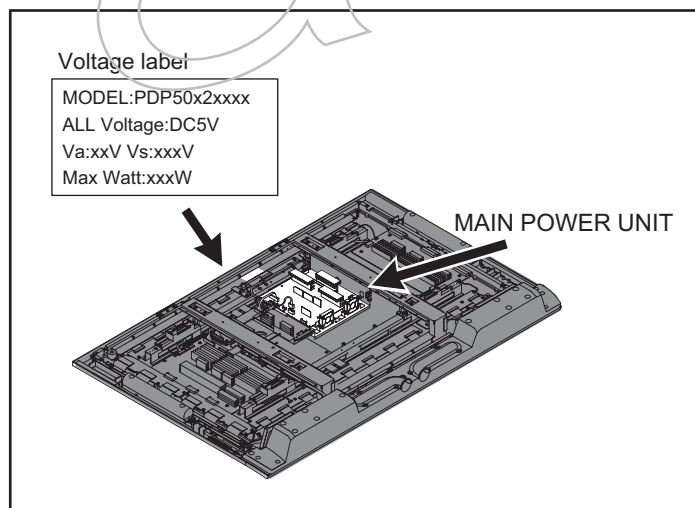
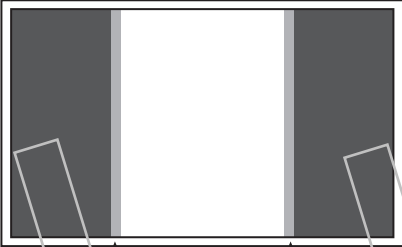
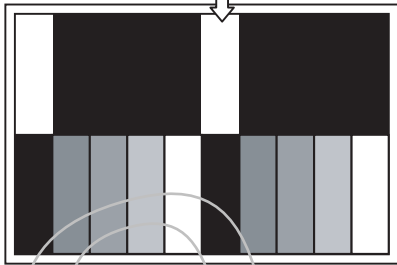
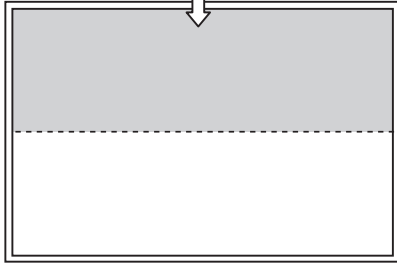


Fig.3

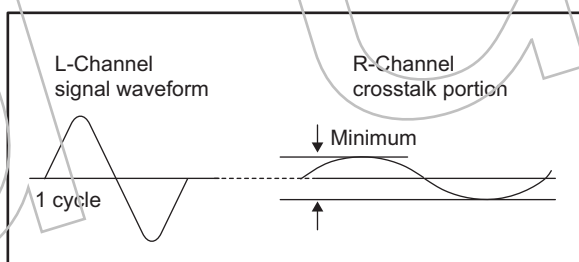
#### 4.7.3 VIDEO CIRCUIT [RECEIVER UNIT]

| Item   | Measuring instrument                        | Test point | Adjustment part  | Description   |
|--|---|------------|--|---|
| <b>525i A-D OFFSET</b><br><br>    | Remote control unit<br><br>Signal generator |            | [1.ADJUST]<br>S001: PREPARE<br>(Adjustment setting mode change)<br><br>S008: 5i CB OF(525i cb offset)<br>S009: 5i CR OF(525i cr offset)<br><br>S030: R DRIVE(Red drive)<br>S031: G DRIVE(Green drive)<br>S032: B DRIVE(Blue drive)   | (1) Receive a 525i component ramp pattern signal.<br>(2) Set "VIDEO STATUS" to STANDARD.<br>(3) Set "ASPECT" to FULL.<br>(4) Set "COLOR TEMPERATURE" to LOW.<br>(5) Select "1.ADJUST" from the SERVICE MODE.<br>(6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133".<br>(7) Set < S001 >(adjustment setting mode change) to set "008" and it change to the 525i A-D offset adjustment setting mode.<br>(8) Adjust < S008 > (525i Cb offset) and < S009 > (525i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the center of the screen.<br>(9) Set < S001 > to set "000" and it change to the normal mode.<br>(10) Press the [MUTING] key to memoirize the set value.    |
| <b>1125i BRIGHTNESS</b><br><br>  | Remote control unit<br><br>Signal generator |            | [1.ADJUST]<br>S001: PREPARE<br>(Adjustment setting mode change)<br><br>S012: HD BL(1125i brightness)<br><br>S030: R DRIVE(Red drive)<br>S031: G DRIVE(Green drive)<br>S032: B DRIVE(Blue drive)                                      | (1) Receive a 1125i gray scale pattern signal .<br>(2) Set "VIDEO STATUS" to STANDARD.<br>(3) Set "ASPECT" to FULL.<br>(4) Set "COLOR TEMPERATURE" to LOW.<br>(5) Select "1.ADJUST" from the SERVICE MODE.<br>(6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133".<br>(7) Set < S001 > (adjustment setting mode change) to set the values "012" and it change to the 1125i brightness adjustment setting mode.<br>(8) Adjust < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest.<br>(9) Set < S001 > to set "000" and it change to the normal mode.<br>(10) Press the [MUTING] key to memoirize the set value.  |
| <b>1125i A-D OFFSET</b><br><br> | Remote control unit<br><br>Signal generator |            | [1.ADJUST]<br>S001: PREPARE<br>(Adjustment setting mode change)<br><br>S013: HD CB OF(1125i cb offset)<br>S014: HD CR OF(1125i cr offset)<br><br>S030: R DRIVE(Red drive)<br>S031: G DRIVE(Green drive)<br>S032: B DRIVE(Blue drive) | (1) Receive a 1125i 30% all white pattern signal.<br>(2) Set "VIDEO STATUS" to STANDARD.<br>(3) Set "ASPECT" to FULL.<br>(4) Set "COLOR TEMPERATURE" to LOW.<br>(5) Select "1.ADJUST" from the SERVICE MODE.<br>(6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133".<br>(7) Set < S001 > (adjustment setting mode change) to set "013" and it change to the 1125i A-D offset adjustment setting mode.<br>(8) Set < S013 > (1125i Cb offset) to minimize the blue noise in the upper half of the screen.<br>(9) Set < S014 > (1125i Cr offset) to minimize the red noise in the upper half of the screen.<br>(10) Set < S001 > to set "000" and it change to the normal mode.<br>(11) Press the [MUTING] key to memoirize the set value. |

| Item                                   | Measuring instrument | Test point | Adjustment part   | Description   |
|--|----------------------|------------|---|---|
| <b>SUB SCREEN A-D OFFSET</b>           | Remote control unit  |            | [1.ADJUST]<br>S001: PREPARE<br>(Adjustment setting mode change)   | (1) Set "VIDEO STATUS" to STANDARD.<br>(2) Set "ASPECT" to FULL.<br>(3) Set "COLOR TEMPERATURE" to LOW.<br>(4) Set "MULTI SCREEN" to TWIN.<br>(5) Receive a NTSC 30% all white pattern signal on the Right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal).<br>(6) Select "1.ADJUST" from the SERVICE MODE.<br>(7) Set < S030 > (R DRIVE), < S031 > (G DRIVE) and < S032 > (B DRIVE) to "133".<br>(8) Set < S001 > (adjustment setting mode change) to set "017" and it change to the sub screen A-D offset adjustment setting mode.<br>(9) Adjust < S016 > (Sub screen cb offset) to minimize the blue noise in the upper half of the screen.<br><b>If you select an adjustment item &lt; S016 &gt;, then the screen automatically turn to twin pictures mode.</b><br>(10) Adjust < S017 > (Sub screen cr offset) to minimize the red noise in the upper half of the screen.<br>(11) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.9)<br>(12) Set < S001 > to set "000" and it change to the normal mode.<br>(13) Press the [MUTING] key to memoirize the set value. |
|  | Signal generator     |            | S016: RT CB OF<br>(Sub screen cb offset)<br>S017: RT CR OF<br>(Sub screen cr offset)<br><br>S030: R DRIVE(Red drive)<br>S031: G DRIVE(Green drive)<br>S032: B DRIVE(Blue drive) |   |
| Set the 0% block part to be brightest. |                      |            |   |   |
| <b>WHITE BALANCE (HIGHLIGHT)</b>       | Remote control unit  |            | [1.ADJUST]<br>S030: R DRIVE (Red drive)<br>S031: G DRIVE (Green drive)<br>S032: B DRIVE (Blue drive)  | (1) Receive a NTSC 75% all white signal.<br>(2) Set "VIDEO STATUS" to STANDARD.<br>(3) Set "ASPECT" to FULL.<br>(4) Set "COLOR TEMPERATURE" to LOW.<br>(5) Select "1.ADJUST" from the SERVICE MODE.<br>(6) Adjust to keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout.<br><br><b>NOTE:</b><br>Set one or more of < S030 >, < S031 >, and < S032 > to "133".<br>(7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it.<br>(8) Press the [MUTING] key to memoirize the set value.  |

#### 4.7.4 MTS CIRCUIT [RECEIVER UNIT]

| Item                   | Measuring instrument   | Test point     | Adjustment part                             | Description  |
|------------------------|--|----------------|---|--|
| <b>MTS INPUT LEVEL</b> | Remote control unit<br><br>Signal generator  |                | [1.ADJUST]<br>T001: IN LEVEL                | (1) Receive the any broadcast.<br>(2) Select "1.ADJUST" from the SERVICE MODE.<br>(3) Verify that the < T001 > (IN LEVEL) is set at its initial setting value.<br>(4) Press the [MUTING] key to memorize the set value.  |
| <b>MTS SEPARATION</b>  | TV audio multiplex signal generator<br><br>Oscilloscope<br><br>Remote control unit | L OUT<br>R OUT | [1.ADJUST]<br>T002: LOW SEP<br>T003: HI SEP | (1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.<br>(2) Connect an oscilloscope to L OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal.<br>(3) Change the connection of the oscilloscope to R OUT pin of the AUDIO OUT, and enlarge the voltage axis.<br>(4) Select "1.ADJUST" from the SERVICE MODE.<br>(5) Set the initial setting value of the < T002 > (LOW SEP).<br>(6) Adjust the < T002 > so that the stroke element of the 300Hz signal will become minimum.<br>(7) Change the signal to 3kHz, and similarly adjust the < T003 > (HI SEP).<br>(8) Press the [MUTING] key to memorize the set value. |





## SECTION 5 TROUBLESHOOTING

### 5.1 SELF CHECK FEATURE

#### 5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure. Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I<sup>2</sup>C bus and the various control lines connected to the main microcomputer.

#### 5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of TV / CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD SW is at the "VCR" side. If the switches have not been properly set, you cannot enter the Self check Display mode.

- (1) Set to 0 minutes using the [SLEEP TIMER] key.
  - (2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the service mode.
  - (3) Press the [2] key (SELF\_CHK) before the service mode screen disappears.
  - (4) Press the [SLEEP TIMER] key to enter Page 2 of the SELF CHECK MODE.
- When the [RETURN +] key pressed, the first page change screen.

#### NOTE:

When a number key other than the [1] to [3] key is pressed in the SERVICE MODE screen, the other relevant screen may be displayed.

This is not used in the adjustment procedure. Press the [MENU] key to return to the SERVICE MENU.

#### 5.1.3 HOW TO EXIT THE SELF CHECK MODE

##### To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

##### To Clear (Reset) Failure History:

Turn off the power by pressing the [POWER] key on the remote control unit when in the Self check display mode.

#### 5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

#### NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

#### 5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be ignored as "Abnormal" and displayed and counted as "NG".

- (1) Temporary defective transmissions across circuits due to pulse interruptions
- (2) Misalignment in the on/off timing of power for I<sup>2</sup>C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

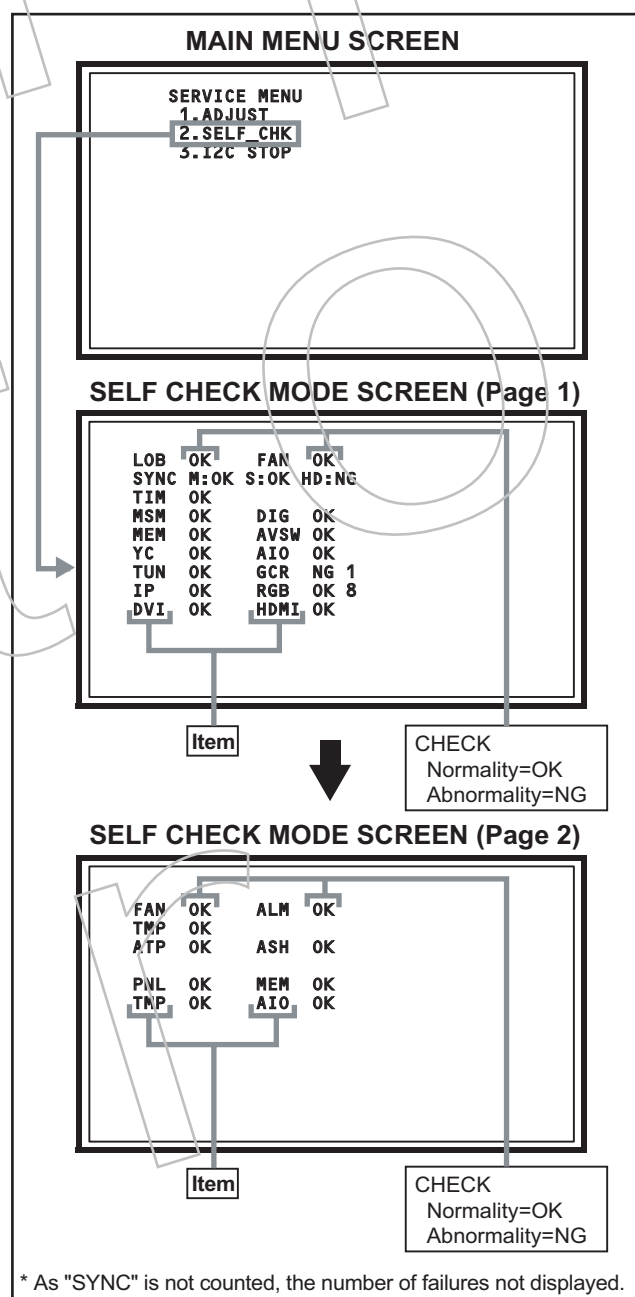


Fig.1

### 5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen (RECEIVER UNIT) >

| Detection item                 | Display | Detection content   | Diagnosis signal (line) | Detection timing   |
|--------------------------------|---------|---|-------------------------|--|
| Low bias line short protection | LOB     | Confirm the operation of the low bias (2.5V / 3.3V / 5V / 9V) protection circuit.<br><b>Q9822 [REGULATOR PWB]</b>   | LB_PRO                  | Detection starts 3 seconds after the power is turned on.<br>If error continues between 400ms the power is turned off.          |
| Fan lock                       | FAN     | Confirm the operation of the cooling fan.<br><b>IC711 [ANALOG SIGNAL PWB]</b>   | FAN_LOCK                | Detection starts 3 seconds after the power is turned on.<br>If error continues between 250ms the power is turned off.          |
| Presence of sync signal        | SYNC    | Confirmation of presence of video sync signal.<br>M : Main sync signal<br>S : Sub sync signal<br>HD : Component sync signal<br><b>IC201 [ANALOG SIGNAL PWB]</b> | SDA                     | Confirmation of presence of sync signal in video signal.   |
| AC power input                 | TIM     | Not used.   | ---                     | ---  |
| Main CPU communication         | MSM     | Confirmation of ACK (response) signal which uses sync communications with Chassis CPU.<br><b>IC7601 [DIGITAL SIGNAL PWB]</b>                                    | WAKE                    | If it checks whenever sync communication with sub (chassis) CPU performed and no reply of ACK signal an error will be counted. |
| Digital tuner                  | DIG     | Not used.   | ---                     | ---  |
| Main memory                    | MEM     | Same as above.<br><b>IC7602 [DIGITAL SIGNAL PWB]</b>  | SDA                     | If it checks whenever I <sup>2</sup> C communication is performed and no reply of ACK signal an error will be counted.         |
| AV select switch               | AVSW    | Same as above.<br><b>IC301, IC501 [ANALOG SIGNAL PWB]</b>   | SDA                     | Same as above.   |
| 3 dimensions YC separator      | YC      | Same as above.<br><b>IC1001 [DIGITAL SIGNAL PWB]</b>  | SDA                     | Same as above.   |
| Multi sound process            | AIO     | Same as above.<br><b>IC3101 [RECEIVER PWB]</b>  | SDA                     | Same as above.   |
| RF tuner                       | TUN     | Same as above.<br><b>TU3001 [RECEIVER PWB]</b>  | SDA                     | Same as above.   |
| Ghost reduction                | GCR     | Not used.   | ---                     | ---  |
| DIST process                   | IP      | Confirmation of reply of ACK signal which uses I <sup>2</sup> C communication.<br><b>IC3001 [DIGITAL SIGNAL PWB]</b>  | SDA                     | If it checks whenever I <sup>2</sup> C communication is performed and no reply of ACK signal an error will be counted.         |
| RGB process                    | RGB     | Same as above.<br><b>IC4001 [DIGITAL SIGNAL PWB]</b>  | SDA                     | Same as above.   |
| DVI (Digital communication)    | DVI     | Same as above.<br><b>IC6101 [DIGITAL SIGNAL PWB]</b>  | SDA                     | Same as above.   |
| Digital input                  | HDMI    | Same as above.<br><b>IC8001 [DIGITAL SIGNAL PWB]</b>  | SDA                     | Same as above.   |



| Detection item                              | Display | Detection content   | Diagnosis signal (line) | Detection timing  |
|---|---------|---|-------------------------|---|
| Fan lock<br>[PD-50X795]                     | FAN     | Confirm the operation of the cooling fan.<br>IC807 [DISPLAY INTERFACE PWB]                                      | FAN_LOCK                | Detection starts 8 seconds after the power is turned on.<br>Detection is performed every 16ms.<br>If errors continues between 300ms the power is turned off.  |
| Abnormal of operation of PDP (PANEL)        | ALM     | Confirm the operation of the panel protection.<br>[PDP UNIT]  | SDA                     | Detection starts 8 seconds after the power is turned on.<br>Detection is performed every 16ms.<br>If errors continues between 300ms the power is turned off.  |
| Abnormal rise of temperature in PDP (PANEL) | TMP     | It detects whether the temperature in a display unit is normal.<br>IC8101 [TEMP. SENSOR PWB]                    | SDA                     | Detection starts 8 seconds after the power is turned on.<br>Detection is performed every 0.5 seconds.<br>If a temperature rises beyond the temperature of 71°C for detection of error over the predetermined 120 times the power is turned off. |
| Abnormal rise of temperature in AUDIO PWB   | ATP     | Not used.   | ---                     | Not used.   |
| Short circuit detection of AUDIO PWB        | ASH     | Not used.   | ---                     | Not used.   |
| Panel communication                         | PNL     | It confirm whether panel communication is normal.<br>[PDP UNIT]   | SDA                     | If it checks whenever I <sup>2</sup> C communication is performed and no reply of ACK signal an error will be counted.  |
| Panel memory                                | MEM     | Confirmation of reply of ACK signal which uses I <sup>2</sup> C communication.<br>IC805 [DISPLAY INTERFACE PWB] | SDA                     | Same as above.  |
| Temp. sensor operation                      | TMP     | Same as above.<br>IC8101 [TEMP. SENSOR PWB]   | SDA                     | Same as above.  |
| Audio control                               | AIO     | Same as above.<br>IC6521 [AUDIO PWB]  | SDA                     | Same as above.  |

**5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT**

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

| Type of error                               | Display | POWER LED flash cycle  | Unit                        |
|---|---------|--|-----------------------------|
| Low bias line short protection              | LOB     | Low luminance blue Flash 1.0 second / Low luminance blue Out 1.0 seconds   | RECEIVER UNIT               |
| Fan lock [Receiver unit]                    | FAN     | Low luminance blue Flash 0.1 second / Low luminance blue Out 0.1 seconds   | RECEIVER UNIT               |
| ATSC digital tuner error                    | ---     | Low luminance blue Flash 2.0 second / Low luminance blue Out 2.0 seconds   | RECEIVER UNIT               |
| Fan lock [Display unit]                     | FAN     | High luminance blue Flash 0.1 second / High luminance blue Out 0.1 seconds | DISPLAY UNIT<br>[PD-50X795] |
| Abnormal of operation of PDP (PANEL)        | ALM     | High luminance blue Flash 1.0 second / High luminance blue Out 1.0 seconds | DISPLAY UNIT                |
| Abnormal rise of temperature in PDP (PANEL) | TMP     | High luminance blue Flash 2.0 second / High luminance blue Out 2.0 seconds | DISPLAY UNIT                |

## &lt; Explanation of operation &gt;

If error is detected, the power is turned off.

Shortly after a power is turned off, POWER LED will be blinked.

Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.



# JVC

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(No.YA100)



Printed in Japan  
VPT

# JVC<sup>®</sup>

*I'Art*<sup>™</sup>  
PALETTE

## ***Plasma Display Users Guide***

***For Models:***

***PD-42X795***

***PD-50X795***



***Illustration of PD-42X795 and RM-C14G***

### **Important Note:**


In the spaces below, enter the model and serial number of your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

**Model Number:** \_\_\_\_\_


**Serial Number:** \_\_\_\_\_

LCT1648-001A-A  
0904TNH-II-IM

# Important Safety Precautions



**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**



**CAUTION:** To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:** TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

**CAUTION:** TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

- \* When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.
- \* To prevent electric shock do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

The Cable Card Slot is covered by a seal. Peel off the seal if you are going to use the Cable Card Slot. When you are finished using the Cable Card after you have pulled it out, place an attached seal to cover the slot to reduce radiated emission.

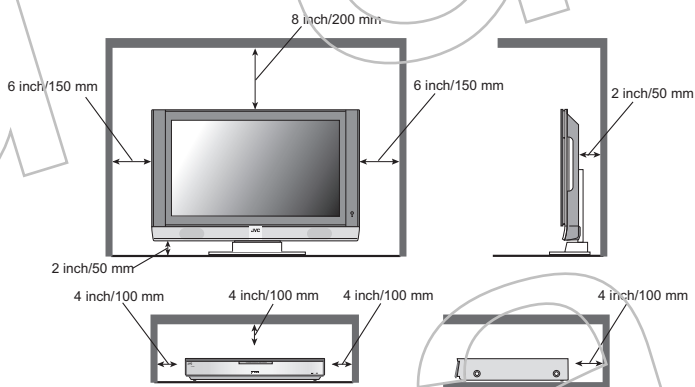
## IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

- 16) Avoid improper installation and never position the unit where good ventilation is impossible. When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture. Keep to the minimum distance guidelines shown for safe operation.



#### 17) Cautions for installation

- Do not tilt the TV towards the left or right, or towards the back.
- Install the TV in a corner on the floor so as to keep cords out of the way.
- The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.

#### FCC Notice:

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



# Warnings

## Screen Burn-in

A characteristic of Plasma Display Panels (PDPs) is that displaying the same image for a long time causes a part of the image to stay on the screen (this is called phosphor burn-in).

**Avoid burn-in as follows.**

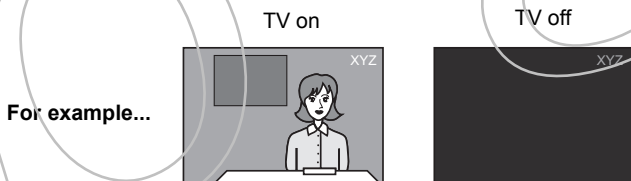
### IMAGE SHIFT

The picture displayed on the screen is shifted up, down and to the left and right at regular intervals. In order to prevent burn-in, set this function to FAST or STD. (Refer to page 48.) Even if the IMAGE SHIFT function is turned off, the picture will shift to the left or right when the channel or input is changed. This is only when the ASPECT function is in REGULAR mode.

### VIDEO STATUS

The VIDEO STATUS function is initially set to DYNAMIC. Unless the TV is being watched in an extremely bright room, it is recommended to change the VIDEO STATUS setting to standard, theater or game. Doing so will reduce the chance of PDP burn-in and extend the life of the PDP. (Refer to page 68).

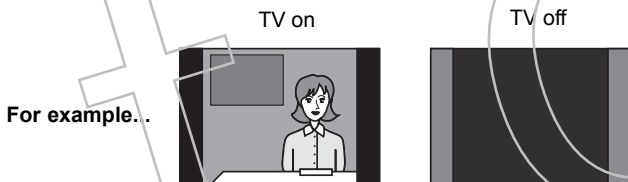
- ☐ **Do not display static images or characters for long periods of time.**



- Reduce PICTURE and BRIGHT on the PICTURE ADJUST menu (page 58) when viewing.

- ☐ **Do not view for long periods of time in the REGULAR mode (page 72).**

Screen size is normally chosen to ensure that the picture is displayed on the entire screen. After viewing in the REGULAR mode in which black bands may occur at the left and right of the screen, it is recommended to change to the PANORAMA mode to display the picture on the entire screen.



- ☐ **Do not view for long periods of time using the TWIN function (page 64) or INDEX function (page 65).**

# Warnings

## **If Burn-in has occurred**

If burn-in occurs, try the BURN-IN IMAGE REDUCER function (page 59). If burn-in is minimal it may gradually become less noticeable.

**Note:** Once burn-in occurs it will never disappear completely.

## **Point defects**

PDPs use collections of fine pixels to display images. While there is no problem with more than 99.99% of these pixels, please understand that a very small number of pixels may not light or may light all the time.

## **Do not install the TV near electronic equipment that is susceptible to electromagnetic waves**

It may cause interference in images, sound, etc. In particular, keep video equipment away from this product.

## **Effect on infrared devices**

There may be interference while using infrared devices such as infrared cordless headphones.

## **The phenomenon described below is not a malfunction.**

If the television is used at a location above an altitude of 2,000 m, a buzzing noise and image distortion may occur. This phenomenon is peculiar to PDP (Plasma Display Panel), and could occur with any television using PDP. It is not a malfunction.

## **Caring for the Cabinet**

Normally, light dusting with a soft, non-scratching duster will keep your TV clean.

If you wish to wipe down the television, first unplug it. Then wipe gently with a soft cloth, slightly moistened with water. You can add a few drops of mild liquid detergent to the water to help remove spots of oily dirt.

DO NOT allow liquid to enter the TV through the ventilation slots

DO NOT use strong or abrasive cleaners on the TV.

DO NOT spray liquids or cleaners directly on the TV's surface.

DO NOT rub or scrub the TV harshly. Wipe the set gently with a soft cloth.

## **Caring for the Screen**

When it gets dirty, wipe it gently with a soft cloth.

Do not apply alcohol, organic solvents (like acetone), acidic or alkaline cleansers to the screen. These will remove the coating layer and cause discolorations.

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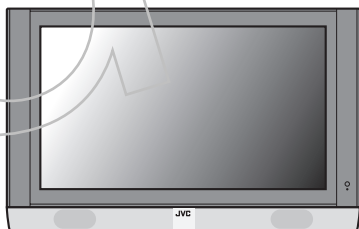
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## Quick Setup

## Unpacking your TV

Thank you for your purchase of a JVC Color Television. Before you begin setting up your new television, please check to make sure you have all of the following items.



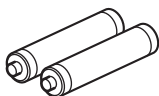
TV x 1



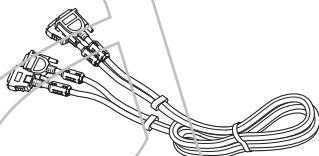
Receiver x 1



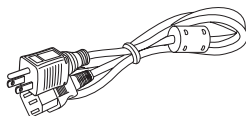
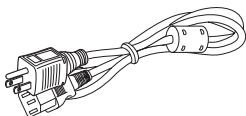
Remote control x 1



AA/R06-size batteries  
(used to check  
operation) x 2



System cable x 1



Power cord x 2



Screw (A) x 2



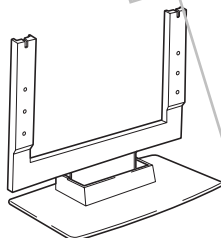
Screw (B) x 6



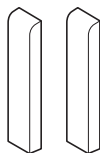
Screw (C) x 4

- To use a Cable Card, remove this label then insert the card.
- Pour utiliser une Carte Cable, enlevez cette languette et insérez ensuite la carte.

Cable Card Label x 1



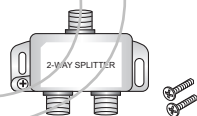
Stand x 1



Cover x 2



Cable clamp x 1



Two Way Splitter x 1



RF Cable x 2

## Quick Setup

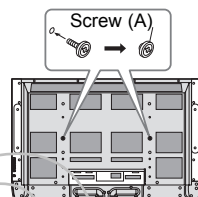
## Attaching the stand to the TV

Read the following instructions and then attach the supplied stand to the TV.

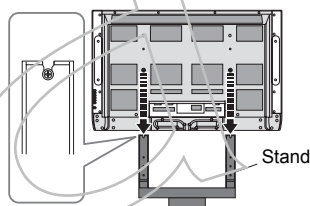
**WARNING:** The TV is heavy. It should always be carried by at least two people. Attempting to carry it by yourself may lead to it being dropped causing injuries and damage.

Required items: Phillips screwdriver

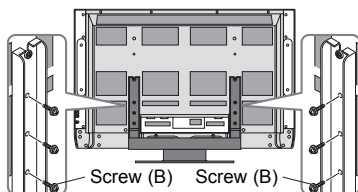
1. Attach the screws (A) to the back of the TV.



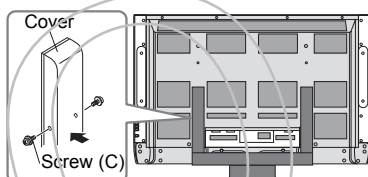
2. Attach the TV to the stand. Insert the heads of the screws (A) into the top of the stand bar and temporarily secure the TV to the stand.



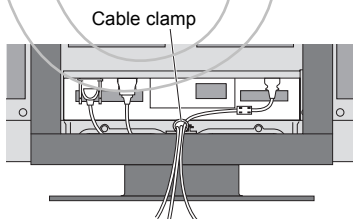
3. Secure the TV to the stand with the screws (B).



4. Insert the cover to the stand and fix with the screws (C).



5. Remove the paper from the bottom of the cable clamp and attach the cable clamp to the stand.
- Clamp the system cable and power cord using the cable clamp after connecting the system cable and the power cord to the TV.



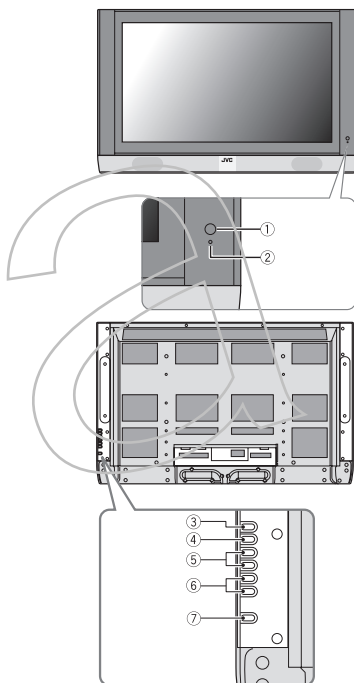


**Note:** Before you connect your receiver to another device, please refer to the proper diagrams for your specific TV and remote.

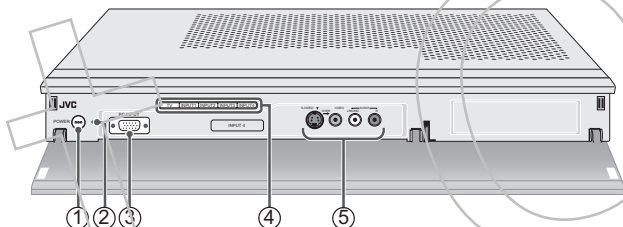
## Display Front

Refer to the pages in parentheses for details.

- ① Remote control sensor
- ② Power lamp (page 16)
- ③ INPUT button (pages 66)
- ④ MENU ▼ button (page 73)
- ⑤ CH (Channel) +/- buttons
- ⑥ VOL (Volume) +/- buttons (page 70)
- ⑦ POWER button

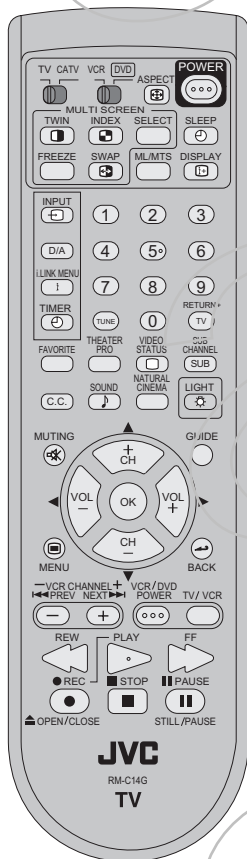


## Receiver Front



Refer to the pages in parentheses for details.

- ① POWER button
- ② Power lamp
- ③ PC Input terminal
- ④ INPUT Button
- ⑤ INPUT-4 terminal



**RM-C14G**

- For information on remote control buttons, see pages 64 - 74 and 78 - 84.
- i.LINK MENU, TIMER, SUB CHANNEL, FAVORITE and GUIDE buttons are for digital channels. If your TV is connected to an ATSC antenna or Digital Cable, you can use these buttons.

## Getting Started

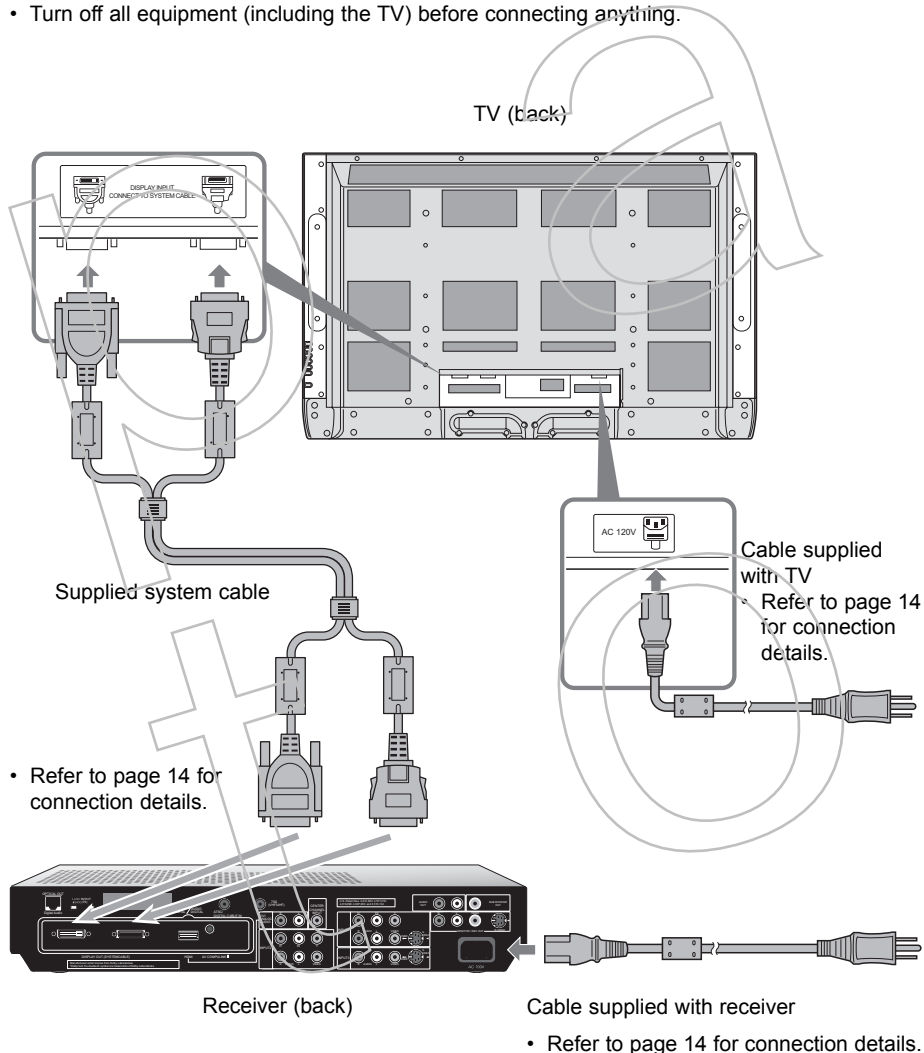
These quick setup pages will provide you, in four easy steps, with the basic information you need to begin using your new television right away.

If you have questions, or for more detailed information on any of these steps, please consult other sections of this manual.

## Step 1 – Set up your TV

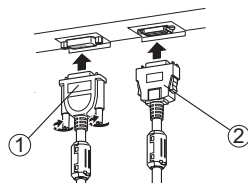
### Caution

- Turn off all equipment (including the TV) before connecting anything.



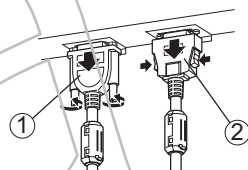
## Connecting the TV and Receiver

Use the supplied system cable to connect the TV to the receiver. The two connectors are of different shapes. Ensure that the pins on connector ① are oriented correctly, press the connector into the socket, and tighten the screws at left and right to lock it in place. Press connector ② firmly into place until it is locked.



## Disconnecting the system cable

Release connector ① by unscrewing the screws at left and right and removing it from the socket. Release connector ② by removing it from the socket while pressing the release bottoms on either side.



## Connecting the power cord to the AC outlet

Insert the AC plugs on the power cords from the TV and receiver into AC outlets.

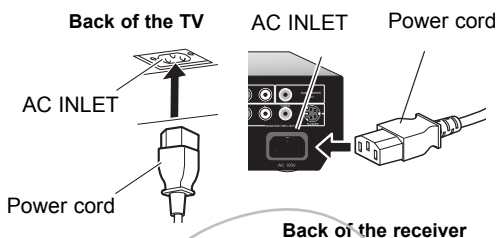
### Caution

- Operate only from the power source specified (AC 120V, 60 Hz) on the unit.
- Failure to use the supplied power cord or to insert it into a correctly grounded outlet may result in electric shocks.

Use the supplied power cord which best suits the area in which you live.

Insert the AC plug into a correctly grounded outlet.

- Remove the AC plug from the outlet to completely disconnect the TV from the power supply.

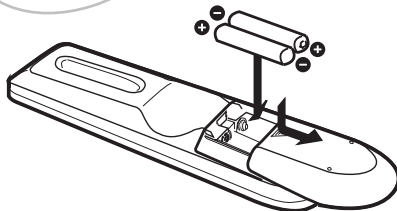


Receiver rear

## Step 2 – The Remote Control

Before you can operate your remote control, you first need to install the batteries (included).

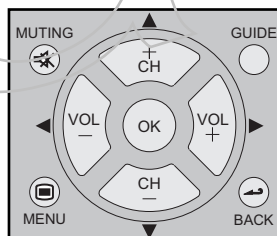
Slide the cover on the back of the remote down towards the bottom of the remote control. Insert two batteries (included) carefully noting the “+” and “-” markings, placing the “-” end in the unit first. Slide the cover back into place.



**When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 33 - 36.**

## Key Feature Buttons

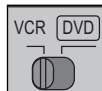
The four key feature buttons at the center of the remote can be used for basic operation of the television. The top and bottom buttons will scan forward and back through the available channels. To move rapidly through the channels using JVC's **Hyperscan** feature, press and hold CH+ or CH-. The channels will zip by at a rate of five channels per second. The right and left buttons will turn the volume up or down. These buttons are also marked with four arrows and are used with JVC's onscreen menu system. To use the onscreen menus, press the Menu button.



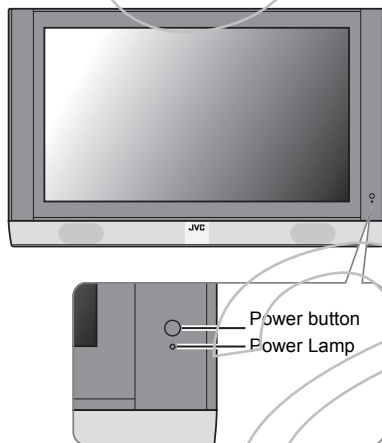
## Basic Operation

Turn the television on and off by pressing the POWER button at the top right corner of the remote. If this is the first time you are turning on the TV, the interactive plug-in menu appears.

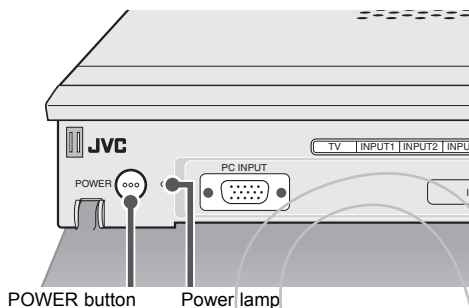
- Make sure the TV/CATV switch is set to TV. Move the switch to CATV only if you need to operate a cable box.
- Slide the VCR/DVD selector switch to VCR to control a VCR. Slide to DVD to control a DVD player. Please see pages 33 - 36 for instructions on programming your remote control to operate a cable box, VCR or DVD player.



Display front



Receiver front



## Notes:

- When the TV is off, the TV and RECEIVER power lamps do not light. When the TV is on, the TV and RECEIVER power lamps light BLUE. However, when the POWER INDICATOR in the MENU is set to OFF, the TV power lamps do not light even when the TV is on. (Refer to "POWER INDICATOR" on page 55).
- When a REC or VIEW Timer is set, the receiver's power lamp will light RED, and the TV power lamp will light depending on the settings of the POWER INDICATOR.
- When the TV is off and you have a REC or TIMER set, the receiver will light RED and the TV power lamp will light in the LOW setting of the POWER INDICATOR menu.



### Step 3 – Connecting Your Devices

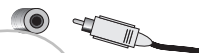
To make these connections, you will use plugs like the ones illustrated below.

#### S-Video Cable



Used to make video connections with S-Video VCRs, Camcorders and DVD players.

#### Component Cables Composite Cables Audio Cables

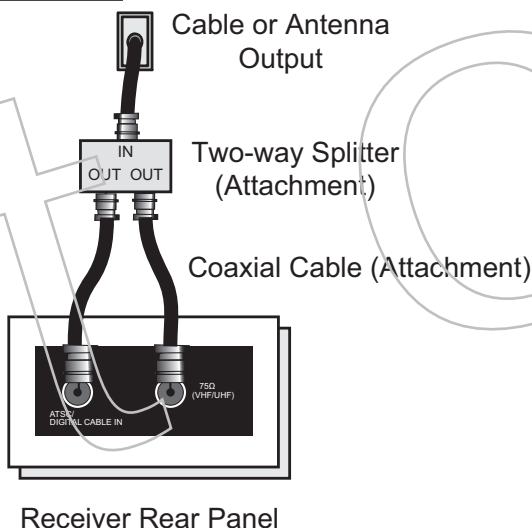


Used to connect audio/video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

#### Notes:

- These connections are examples.
- After you are finished connecting your devices, plug the power cord into the nearest power outlet and turn on the TV.
- If you follow these diagrams and the television does not work properly, contact your local cable operator.
- To connect a DVD player, see VCR Connection. A DVD player is optional.
- If you have a satellite television system, refer to the satellite TV manual.

### No VCR Connection

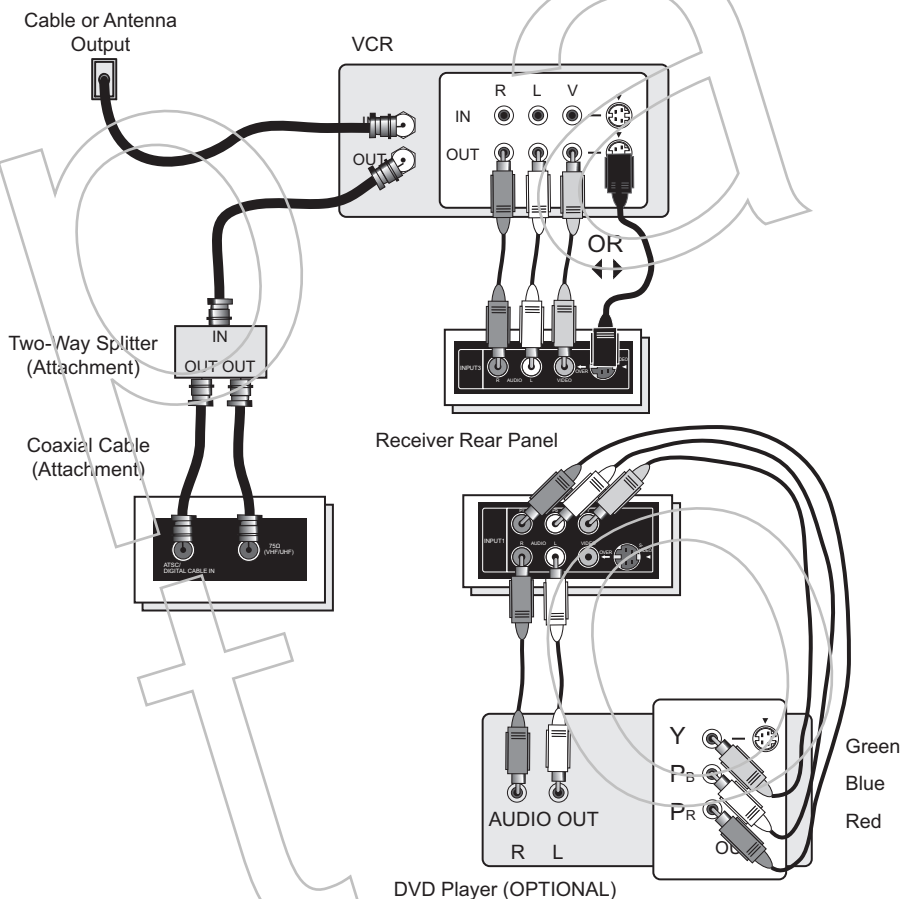


## VCR Connection

### Notes:

- Green, blue and red are the most common colors for DVD cables. Some models may vary colors. Please consult the user's manual for your DVD player for more information.
- Be careful not to confuse the red DVD cable with the red audio cable. It is best to complete one set of connections (DVD or audio output) before starting the other to avoid accidentally switching the cables.
- You may also connect the DVD player to Input 1.

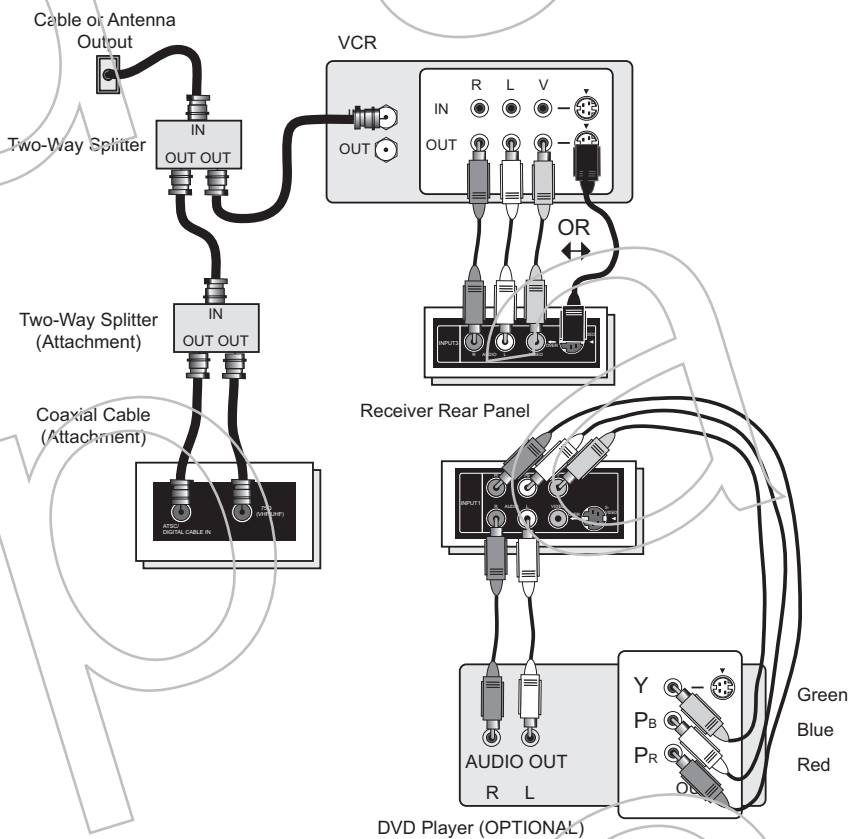
Diagram #1

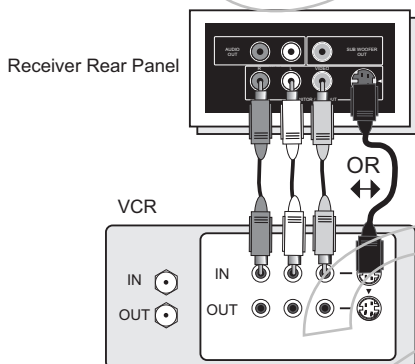


### Note:

- If this connection setup does not work for you, try the connection setup on page 19.

Diagram #2



**Connecting to Monitor/Recording Output Terminal****Notes:**

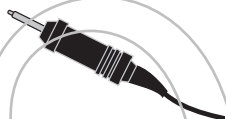
- When you make this connection, set the Video-1 Monitor Cut menu to ON. See page 55.
- If you are receiving ATSC/Digital Cable signal, it can be outputted to the S-Video output terminal or Video (composite video) terminal.
- If you are receiving Analog TV signal, it can not be outputted to the S-Video output terminal.
- No signal will be outputted through the S-Video output terminal when you are not viewing images coming from the composite video input terminal.
- No signal will be outputted through the Monitor/Recording output terminal when you are viewing images from the component video input.

## Connecting to JVC AV Compu Link

JVC's AV CompuLink feature makes playing video tapes or DVDs totally automatic. Simply insert a pre-recorded tape into your JVC brand VCR or DVD into your JVC DVD player and the device will automatically turn on and begin playback. At the same time, using the AV CompuLink, the VCR or DVD player sends a signal to the television telling it to turn on and switch to the proper video input.

- The AV CompuLink cable may be included with the JVC AV CompuLink unit you wish to connect. If it is not, contact JVC Parts Department at (800)-882-2345, or [www.jvcservice.com](http://www.jvcservice.com) for part # EWP 805-012.
- AV CompuLink can only be used with JVC brand products.

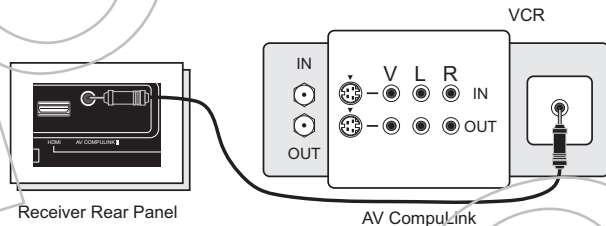
### AV CompuLink Cable



To Connect: Plug one end of the AV compu link cable into the AV COMPU LINK INPUT on your VCR, DVD, or other compu link device. Plug the other end of the AV compu link cable into the AV COMPU LINK at the rear of the receiver.

**Note:**

- The AV compu link cable has a male 3.5 mm (mono) plug on each end.

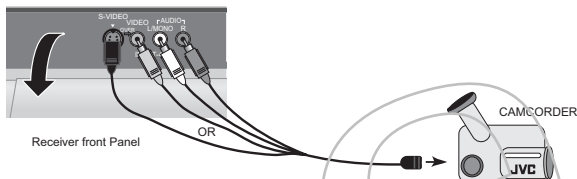


**Notes:**

- In order for the VCR playback to begin automatically, the recording tabs must be removed from the VHS tape. If the tab is in place, automatic switching will occur when you push the VCR's PLAY button.
- If your JVC brand VCR has "A code/B code remote control switching" (see your VCR's instruction book), using VCR A code will switch the TV to input 1.
- Refer to your DVD instruction book for detailed connection information.
- To connect a JVC HiFi receiver or amplifier for a completely automated home theater, see the receiver connection instructions for detailed connection information.
- AV CompuLink is compatible with select AV CompuLink receivers.

## Connecting to a Camcorder

You may connect a camcorder, game console or other equipment to your television by using the front input jacks (Input 4) located under the front panel door. To access, pull on the door to open it. You can also connect these using the television's rear input jacks, using the same instructions.



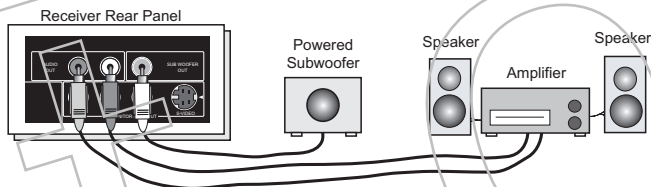
- 1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the front of the receiver, OR connect an S-Video cable from the front of the receiver to the camcorder.
- 2) Connect a white composite cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the front of the receiver.
- 3) Connect a red composite cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the front of the receiver.

### Note:

- If your camcorder is a mono sound model it will have only one AUDIO OUT. Connect it to the LEFT AUDIO IN on the front of the receiver.

## Connecting to an External Amplifier

**Subwoofer Out** - Use a powered subwoofer with the surround feature to simulate a home theater system. Simply connect the subwoofer to the back of the receiver.



- 1) Connect a white composite cable from the LEFT AUDIO OUTPUT on the back of the receiver to the LEFT AUDIO INPUT on the amplifier.
- 2) Connect a red composite cable from the RIGHT AUDIO OUTPUT on the back of the receiver to the RIGHT AUDIO INPUT on the amplifier.
- 3) Connect a black composite cable from the SUBWOOFER OUT on the back of the receiver to the LINE INPUT of the subwoofer.

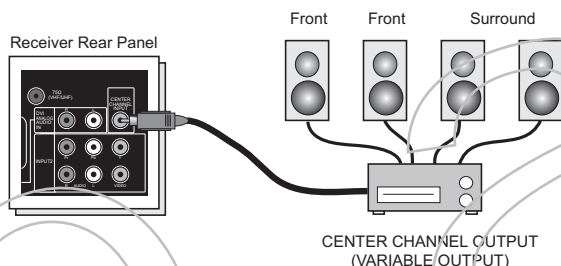
### Notes:

- Refer to your amplifier's manual for more information.
- You can use AUDIO OUTPUT for your home theater system.

## Connecting to the Surround Amplifier

In multi-channel sound such as 5.1 channel, the speech characters are played back from the center speaker.

A center speaker in a movie theater is set in back of the screen so it can recreate a conversation scene in the movie more naturally. By using your TV's speaker as the center speaker, you can obtain the same sound effect as in a movie theater in your home theater sound system.



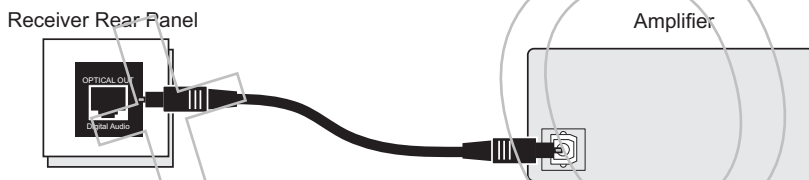
- 1) Connect the Pin cable from the TV's CENTER CHANNEL INPUT terminal to the surround amplifier's CENTER CHANNEL OUTPUT terminal.

### Note:

- Please read the benefit of this feature on page 57.

## Connecting to an amplifier using your optical output

You can connect an amplifier that has an optical digital input terminal by using an optical digital cable from the optical output. The signal that is output can be PCM or Dolby Digital.



- 1) Connect the optical cable from the back of the receiver to the back of the amplifier.

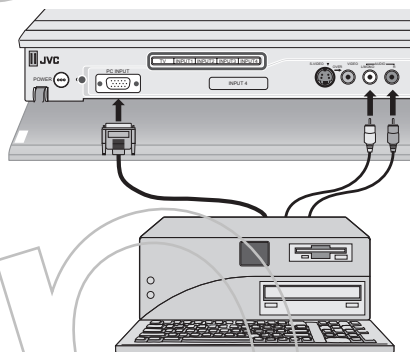
### Notes:

- This terminal can only output digital audio.
- In order to use the optical output connection, select PCM or Dolby Digital on Digital Sound in the Digital Setup Menu. See page 76.
- Refer to your owners manual on using your amplifier.



## Connecting to the computer

This TV can be used as a computer screen. Use a commercially available D-SUB cable to connect the TV's PC INPUT terminal to the computer's analog RGB output terminal. If you want to listen to the sound from the computer, use a commercially available RCA cable to connect the INPUT-4 audio input terminal to the computer's audio output terminal. When the sound from the computer is mono, connect to the L/MONO of INPUT-4.



### Notes:

- Refer to your computer manual for a detailed explanation of the connections concerning your computer.
- Make sure that the connectors are facing the correct way when connecting.
- After connecting, tighten the two screws to fix the connectors in place.

## Looking at the images from a computer

After starting the computer, press the INPUT button to choose INPUT-4. You can listen to the sound when the sound from the computer is connected to the INPUT-4 AUDIO input terminal.

### Notes:

- When the sound from the computer is connected to INPUT-4 by choosing external input INPUT-4, the sound from the computer can be listened to, but the images from the computer cannot be seen.

**Table of signals for each type of computer**

| Resolution       | Vertical Frequency (Hz) | Horizontal Frequency (kHz) |
|------------------|-------------------------|----------------------------|
| 640 x 480 (VGA)  | 60.0                    | 31.5                       |
| 1024 x 768 (XGA) | 60.0                    | 48.4                       |

- Only the above formats are supported.
- Even with the above formats at 60 Hz, some problems may be experienced depending on the quality of the synchronous signal. (Depending on the quality, some pictures may not be displayed correctly).
- Apple Macintosh\* computers are not supported.

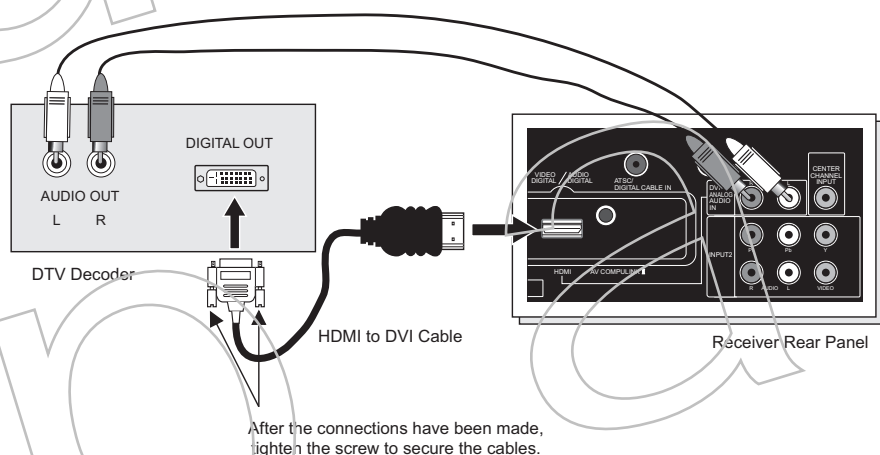
**When a picture is not displayed**

With some computers, some problems can be solved by changing the settings. Check the computer's refresh rate and set it to 60Hz. Computers that cannot set the refresh rate to 60 Hz, can not be used with this TV. Refer to the computer's instruction manual.

\*Apple Macintosh is a registered trademark of Apple Computer, Inc.

## Connecting to a Digital TV Receiver

By connecting a Digital TV Receiver, high definition pictures can be displayed on your TV in their digital form.



- 1) Connect the HDMI to DVI Cable from the DIGITAL OUT on the back of your DTV decoder, to the DIGITAL-IN on the back of your receiver.
  - 2) Connect a red cable from the DTV decoder RIGHT AUDIO OUT, to the RIGHT AUDIO DIGITAL-IN on the back of your receiver.
  - 3) Connect a white cable from the DTV decoder LEFT AUDIO OUT, to the LEFT AUDIO DIGITAL-IN on the back of your receiver.
- The digital-in terminal is not compatible with the picture signal of a personal computer.
  - Use a HDMI to DVI cable (commercially available) in order to digitally connect the television with a DTV decoder.

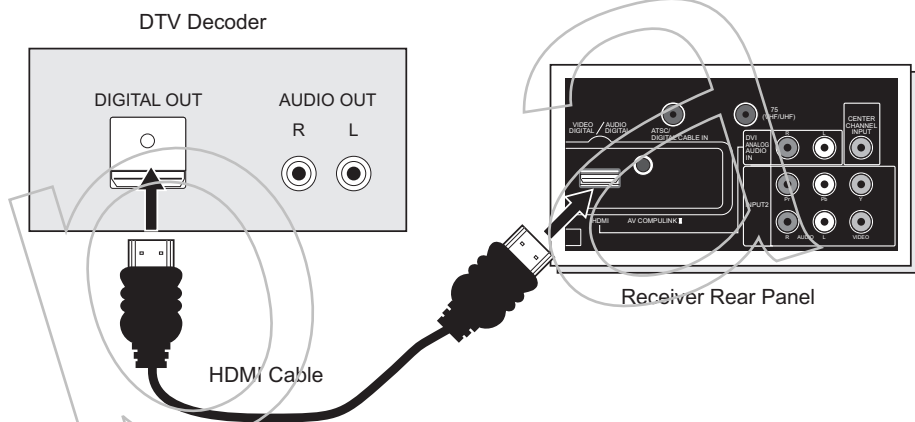
### Notes:

- If 480p signals (640x480 or 720x480) are displayed on the screen, the horizontal balance may be slightly shifted. Access the "DIGITAL-IN" in the initial setup menu to adjust it. (Refer to page 56.)
- When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to ANALOG. See "DIGITAL-IN AUDIO", page 57.

## Connecting to an HDMI Compatible Device

By connecting an HDMI compatible device, high definition pictures can be displayed on your TV in their digital form. Some HDMI devices can include DVD players, D-VHS or any HDMI compatible devices.

HDMI (High Definition Multimedia Interface) is the first industry supported, uncompressed, all digital audio/video interface. HDMI provides an interface between any audio/video source, such as a set-top box, DVD player, A/V receiver or an audio and/or video monitor, such as a digital television (DTV).



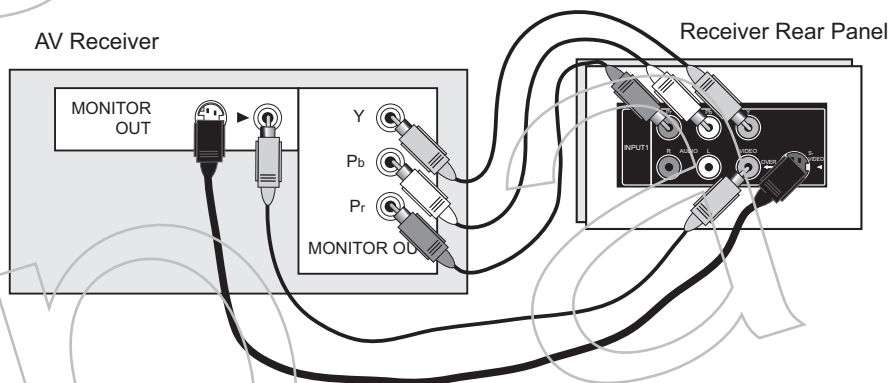
- 1) Connect the HDMI Cable from the DIGITAL OUT on the back of your DTV or HDMI device, to the DIGITAL-IN on the back of your television.

### Notes:

- When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to DIGITAL. See "DIGITAL-IN AUDIO", page 57.
- Some decoders may not respond depending on the equipment that you have connected when it is connected to the HDMI.

## Connecting to an AV Receiver using your television's V1 Smart Input

By connecting your AV Receiver to your television's V1 Smart Input, you can watch picture sources from many different devices, without having to change or use the other input connections on your TV. This allows you to free up the other input connections so you can connect more devices to your television.




- 1) Connect an S-Video Cable from the AV Receiver's MONITOR OUT, to the S-Video INPUT-1 on the back of your receiver.
- 2) Connect a Yellow Component Cable from the AV Receiver's MONITOR OUT, into the VIDEO INPUT-1 on the back of your receiver.
- 3) Connect a Green Component Cable from the AV Receiver's Y MONITOR OUT, into the Y VIDEO INPUT-1 on the back of your receiver.
- 4) Connect a Blue Component Cable from the AV Receiver's Pb MONITOR OUT, into the Pb VIDEO INPUT-1 on the back of your receiver.
- 5) Connect a Red Component Cable from the AV Receiver's Pr MONITOR OUT, into the Pr VIDEO INPUT-1 on the back of your receiver.

### Notes:

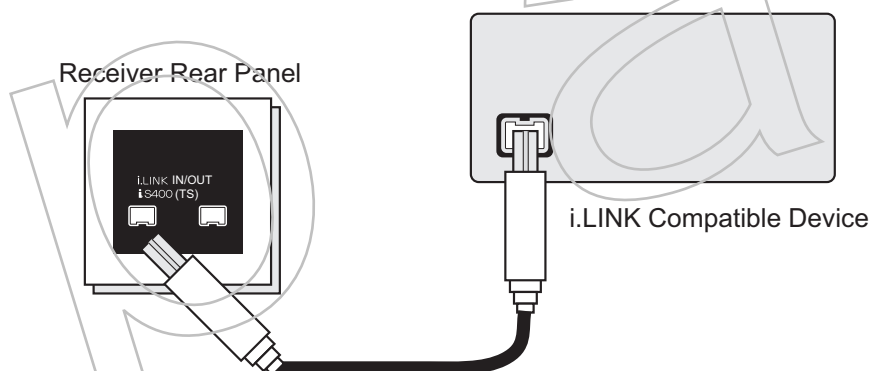
- Please refer to your AV Receiver instruction manual for more information on connecting your speakers and other devices like a DVD player.
- Use your AV Receiver's remote to switch to the different devices you have connected.
- Some AV Receiver's may not respond when the V1 Smart Input function is turned on.
- If you have video connections for each input device connected to your AV Receiver, you should not connect them using both S-Video and Composite connection at the same time when you are using V1 input as the V1 Smart Input. In this case we recommend using the S-Video connection.

## Connecting an i.LINK compatible device to the back of your television

i.LINK is a digital serial interface that allows devices equipped with an i.LINK connector to exchange digital video signals, digital audio signals and device control signals bi-directionally over a single cable. (For example, a JVC D-VHS VCR).

i.LINK refers to the IEEE1394-1995 industry specification and extensions thereof. The  logo is used for products compliant with the i.LINK standard.

This projection television uses a four-pin i.LINK connector to input and output MPEG2 video signals, audio signals and control signals.



- 1) Connect the i.LINK cable from the back of the receiver to the back of the i.LINK compatible device.

### Notes:

- Use only the S400 i.LINK cable when connection your devices.
- See page 80 on how to select the i.LINK device.
- Refer to your owners manual on using your i.LINK device.
- When recording or playing back video with an i.LINK device, if you perform the Auto Tuner Setup, the video signal you are recording or playing back may stop or you may not be able to perform the Digital Auto Tuner Setup.
- Your television can connect with i.LINK D-VHS decks and HD-Camcorders (JVC brand only). If you connect other brand devices, with i.LINK cable, they will not work.
- It can play only the recorded contents in Digital Mode.
- Use only tapes bearing the DVHS (SVHS) mark for recording.

**Step 4 – The Interactive Plug In Menu**

When you turn your television on for the first time the interactive plug-in menu will appear. The plug-in menu helps you to get your TV ready to use by letting you set your preferences for:

- The language in which you want the onscreen menus to appear.
- Setting the TV's clock to the correct time so your timer functions will work properly. You can choose "AUTO" or "MANUAL" for setting the clock.
- The auto tuner setup of which channels you wish to receive.

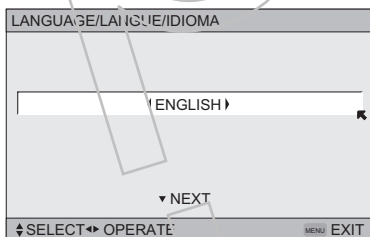
We recommend you complete the interactive plug-in items before you start using your television.

**Notes:**

- The interactive plug-in menu setting does not appear if your TV has been turned on before. In this case use the onscreen menus to perform these settings. See pages 49, 62 and 40.
- If you press the Menu button while setting up the interactive plug-in menu, it will skip over it.

## Language

After the "JVC INTERACTIVE PLUG IN MENU" has been displayed, the TV automatically switches to the LANGUAGE settings. You can choose to view your onscreen menus in three languages: English, French (Français) or Spanish (Español).



To choose a language:  
(English, Français or Español)



To NEXT (To set clock)

*(To be continued...)*

## Auto Clock Set

Before you use any of your TV's timer functions, you must first set the clock. You may precisely set your clock using the XDS time signal broadcast by most public analog broadcasting stations. If you do not have this in your area, you will have to set the clock manually. See manual clock set below. To set the clock using the XDS signal:

| SET CLOCK                  |            |
|----------------------------|------------|
| MODE                       | (AUTO)     |
| TIME                       | -- : --    |
| TIME ZONE                  | (ATLANTIC) |
| DATE/YEAR                  | JAN/01/04  |
| D.S.T.                     | (ON)       |
| ▼ NEXT                     |            |
| ◆SELECT◆ OPERATE MENU EXIT |            |

- ◀▶ To choose AUTO
- ▼ To TIME ZONE
- ◀▶ To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
- ▼ To move to D.S.T. (Daylight Savings Time)
- ◀▶ To turn D.S.T. ON or OFF
- ▼ To NEXT (To Auto Tuner Setup)

### Notes:

- D.S.T. can be used when it is set to ON in the SET CLOCK menu.
- Only when the MODE is set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

## Manual Clock Set

To set your clock manually (without using the XDS signal), choose MANUAL. If you choose AUTO, see auto clock set above.

| SET CLOCK                  |            |
|----------------------------|------------|
| MODE                       | (MANUAL)   |
| TIME                       | -- : --    |
| TIME ZONE                  | (ATLANTIC) |
| DATE/YEAR                  | JAN/01/04  |
| D.S.T.                     | (ON)       |
| ▼ START CLOCK              |            |
| ◆SELECT◆ OPERATE MENU EXIT |            |

- ◀▶ To choose MANUAL
- ▼ To TIME
- ◀▶ To set the hour
- ▼ To minute
- ◀▶ To set the minute
- ▼ To TIME ZONE
- ◀▶ To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
- ▼ To DATE/YEAR
- ◀▶ To set the month
- ▼ To day
- ◀▶ To set the day
- ▼ To year
- ◀▶ To set the year
- ▼ To move to D.S.T. (Daylight Savings Time)
- ◀▶ To turn D.S.T. ON or OFF
- ▼ To START CLOCK

### Note:

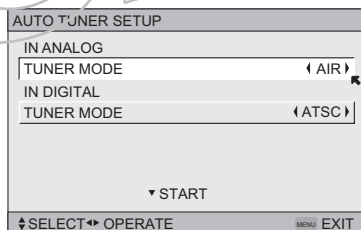
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

**(To be continued...)**



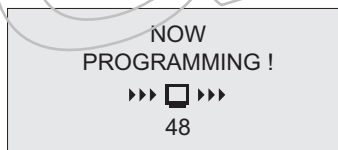
## Auto Tuner Setup

In auto tuner setup, the TV automatically scans through all available channels, memorizing the active ones and skipping over blank ones or channels with weak signals. This means when you scan (using the CHANNEL +/- buttons) you will receive only clear, active channels. There are two tuner modes to choose from, ANALOG or DIGITAL.



- ◀▶ To choose CABLE or AIR (or SKIP when you skip Analog Auto Tuner Setup)
- ▲▼ To TUNER MODE (IN DIGITAL)
- ◀▶ To choose ATSC or Digital Cable (or SKIP when you skip Digital Auto Tuner Setup)
- ▼ To START

*After Analog Auto Tuner Setup is finished, Digital Auto Tuner Setup starts.*



When the setup is finished, "THANK YOU ! SETUP IS NOW COMPLETE" is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize your television viewing experience.

### Notes:

- If you want to cancel the Auto Tuner Setup, press the MENU button.
- Noise muting will not work during Auto Tuner Setup.
- If you choose SKIP, it finished without doing the Auto Tuner Setup.

**Cable Box and Satellite Users:** After your auto tuner setup is complete, you may, (depending on the type of hookup), have only 1 channel, usually 3 or 4 in the auto tuner memory. This is normal.



## The Quick Setup is complete

# Remote Programming

## Setting the CATV, VCR and DVD Codes

You can program your remote to operate your cable box, satellite receiver, VCR or DVD player by using the instructions and codes listed below. If the equipment does not respond to any of the codes listed below or to the code search function, use the remote control supplied by the manufacturer.

## Cable Box or Satellite Codes

The remote control is programmed with cable box and satellite codes for power on/off, channel up/down, and 10 key operation.

- 1) Find the cable box or satellite brand from the list of codes shown below.
  - 2) Slide the 2-way selector switch to "CATV".
  - 3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
  - 4) Release the DISPLAY button, and confirm the operation of the cable box/satellite receiver.
- If your cable or satellite box does not respond to the first code, try the others listed. If it does not respond to any code, try the search codes function, on page 36.

| Cable Box                  | Codes  | Cable Box              | Codes                             | Digital Satellite Systems  | Codes  |
|----------------------------|--|------------------------|-----------------------------------|--|--|
| ABC                        | 024  | Puser                  | 032                               | Echostar (Dish Network)<br>Express VU<br>G.E.<br>G.I.<br>Gradiente<br>Hitachi<br>HNS (Hughes)<br>Magnavox<br>Panasonic<br>Philips<br>Primestar<br>Proscan<br>RCA<br>Sony<br>Star Choice<br>Toshiba<br>Uniden | 100, 113, 114, 115<br>100, 113<br>106<br>108, 120, 121, 122<br>112<br>104, 111<br>104<br>102, 103<br>105<br>102, 103, 116<br>108<br>106, 109, 110<br>106, 109, 110<br>107<br>104, 108<br>101, 104, 117, 118, 119<br>102, 103 |
| Archer                     | 032, 025   | RCA                    | 061, 070                          |  |  |
| Cableview                  | 051, 032   | Realistic              | 032                               |  |  |
| Citizen                    | 022, 051   | Regal                  | 058, 064, 040, 041, 042, 045, 068 |  |  |
| Curtis                     | 058, 059   | Regency                | 034                               |  |  |
| Diamond                    | 024, 032, 025  | Rembrandt              | 037, 032, 051, 038                |  |  |
| Eagle                      | 029  | Samsung                | 051                               |  |  |
| Eastern                    | 034  | Scientific Atlanta     | 057, 058, 059                     |  |  |
| GC Brand                   | 032, 051   | SLMark                 | 051, 047                          |  |  |
| Gemini                     | 022, 043   | Sprucer                | 051, 056                          |  |  |
| General Instrument/Jerrold | 065, 024, 025, 026, 027, 020, 021, 022, 057, 023, 072, 074 | Stargate               | 032, 051                          |  |  |
| Hamlin                     | 040, 041, 042, 045, 058, 064                               | Telecaption            | 067                               |  |  |
| Hitachi                    | 049, 024   | Televue                | 047, 051                          |  |  |
| Macom                      | 049, 050, 051, 054   | Texscan                | 044                               |  |  |
| Magnavox                   | 033  | Tocom                  | 035, 036, 066, 074                |  |  |
| Memorex                    | 030  | Toshiba                | 050, 048                          |  |  |
| Movietime                  | 032, 051   | Unika                  | 032, 025                          |  |  |
| Oak                        | 039, 037, 048  | Universal              | 022, 032                          |  |  |
| Panasonic                  | 055, 056, 060, 071, 073                                    | Videoway               | 052                               |  |  |
| Paragon                    | 063  | Viewstar               | 029, 030                          |  |  |
| Philips                    | 028, 029, 030, 052, 053, 031, 069                          | Zenith                 | 063, 046                          |  |  |
| Pioneer                    | 047, 062   | Zenith/Drake Satellite | 046                               |  |  |
| Pulsar                     | 051, 032   |                        |                                   |  |  |

# Remote Programming

## VCR Codes

The remote control is programmed with VCR codes for power on/off, play, stop, fast-forward, rewind, pause, record, channel up/down operation.

- 1) Find the VCR brand from the list of codes shown below.
  - 2) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR".
  - 3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
  - 4) Release the DISPLAY button, and confirm the operation of the VCR.
- If your VCR does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 36.
  - After you program your remote, some VCR buttons may not work properly. If so, use the VCR's remote.
  - To record, hold down the REC button on the remote and press PLAY.

| VCR            | Codes                                  | VCR         | Codes   | VCR             | Codes  |
|----------------|--|-------------|---|-----------------|--|
| Admiral        | 035                                    | Marantz     | 003, 004, 005   | Samsung         | 037, 060, 062, 033, 089                          |
| Aiwa           | 027, 032, 095                          | Marta       | 064   | Samtron         | 089  |
| Akai           | 029, 072, 073, 074                     | Memorex     | 024, 067  | Sansui          | 003, 026, 020, 052                               |
| Audio Dynamic  | 073, 005                               | MGA         | 038, 040, 047, 048, 041, 042  | Sanyo           | 063, 067, 091, 071                               |
| Bell & Howell  | 063, 071                               | Minolta     | 058, 045, 093   | Scott           | 059, 060, 062, 067, 038, 040, 047, 048, 026, 020 |
| Broksonic      | 020, 026, 094                          | Mitsubishi  | 038, 040, 047, 048, 041, 042, 078, 090                                    | Sears           | 063, 064, 065, 066, 058                          |
| Canon          | 023, 025                               | Multitech   | 047, 027, 062   | Sharp           | 035, 036, 080, 088                               |
| CCE            | 043                                    | NEC         | 003, 004, 005, 000  | Shintom         | 075  |
| Citizen        | 064                                    | Olympic     | 024, 023  | Signature 2000  | 027, 035   |
| Craig          | 063, 029, 064                          | Optimus     | 028, 021, 035, 064  | Singer          | 075  |
| Curtis Mathes  | 045, 024, 027, 093                     | Orion       | 026, 020  | Sony            | 028, 029, 030, 053, 054, 055                     |
| Daewoo         | 043, 059, 024, 092                     | Panasonic   | 023, 024, 021, 022  | SV 2000         | 027  |
| DBX            | 003, 004, 005                          | Penney      | 024, 058, 045, 063, 003, 004, 005, 093                                    | Sylvania        | 031, 023, 024, 027                               |
| Dimensia       | 045, 093                               | Pentax      | 058, 005, 045, 093  | Symphonic       | 027, 081   |
| Emerson        | 043, 026, 077, 061, 025, 042, 020, 076 | Philco      | 031, 024, 027, 023, 026, 020, 043   | Tashiro         | 064  |
| Fisher         | 063, 066, 067, 065, 071, 091           | Philips     | 031, 023, 024, 086  | Tatung          | 003, 004, 005                                    |
| Funai          | 027, 026, 020, 000                     | Pioneer     | 023   | Teac            | 003, 004, 027, 005                               |
| G.E.           | 033, 045, 024                          | Proscan     | 045, 058, 023, 024, 031, 046, 059, 060, 093, 033, 087                     | Technics        | 021, 022, 023, 024                               |
| Go Video       | 037, 051, 049, 050, 089                | Quasar      | 021, 022, 023, 024  | Teknika         | 024, 027, 070                                    |
| Goldstar       | 064                                    | Radio Shack | 033, 024, 063, 036, 067, 040, 027   | Thomson         | 033, 096   |
| Gradiente      | 083, 084, 081, 000, 001                | RCA         | 033, 045, 058, 023, 024, 031, 046, 059, 060, 083, 084, 085, 087, 093, 096 | Toshiba         | 059, 046, 079                                    |
| Hitachi        | 023, 045, 058, 093, 027, 081           | Realistic   | 024, 063, 036, 067, 040, 027  | Vector Research | 005  |
| Instant Replay | 024, 023                               |             |   | Wards           | 035, 036, 067, 044, 064                          |
| Jensen         | 003                                    |             |   | Yamaha          | 063, 003, 004, 005                               |
| JVC            | 003, 004, 005, 000, 001, 002, 006, 007 |             |   | Zenith          | 044, 082, 064, 094                               |
| Kenwood        | 003, 004, 064, 005                     |             |   |                 |  |
| LG             | 064                                    |             |   |                 |  |
| LXI            | 027, 064, 058, 065, 066, 063, 067      |             |   |                 |  |
| Magnavox       | 031, 023, 024, 086                     |             |   |                 |  |

# Remote Programming

## DVD Codes

The remote control is programmed with DVD codes for power on/off, play, stop, fast-forward, rewind, previous/next chapter, tray open/close, and still/pause operation.

- 1) Find the DVD player brand from the list of codes shown below.
  - 2) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "DVD".
  - 3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
  - 4) Release the DISPLAY button, and confirm the operation of the DVD player.
- If your DVD player does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 36.
  - After you program your remote, some DVD buttons may not work properly. If so, use the DVD player's remote.

| DVD Player       | Codes         | DVD Player | Codes    | DVD Player | Codes              |
|------------------|---------------|------------|----------|------------|--------------------|
| Aiwa             | 043           | Mintek     | 057      | Sharp      | 028                |
| Apex             | 040, 054, 055 | Mitsubishi | 025      | Sylvania   | 038                |
| Bose             | 058           | Next Base  | 056      | SMC        | 048                |
| Denon            | 020, 037      | Onkyo      | 041, 052 | Sony       | 024, 045, 046, 047 |
| Funai            | 038           | Oritron    | 044      | Technics   | 020                |
| Go-Video         | 032           | Panasonic  | 020      | Thomson    | 021                |
| Harman<br>Kardon | 053           | Philips    | 023, 036 | Toshiba    | 023                |
| Hitachi          | 031           | Pioneer    | 022      | Venturer   | 051                |
| JVC              | 000           | Polk Audio | 036      | Vialta     | 050                |
| Kenwood          | 035, 020      | Raite      | 033      | Wave       | 042                |
| KLH              | 051           | RCA        | 021, 026 | Yamaha     | 020, 049           |
| Konka            | 039           | Sampo      | 034      | Zenith     | 027, 032           |
| Koss             | 050           | Samsung    | 030      |            |                    |

# Remote Programming

## Search Codes

### Cable/Satellite Search Codes Function

- 1) Slide the first 2-Way Mode Selector switch to CATV.
- 2) Press the POWER and RETURN+/TV buttons. Hold for at least three seconds and release.
- 3) Press the POWER button on the remote, and see if the cable or satellite box responds.
- 4) If there was a response, press RETURN+/TV. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times without a response, use the remote control that came with your equipment.
- 5) Press RETURN+/TV to exit.



### VCR/DVD Search Codes Function

- 1) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR" or "DVD".
- 2) Press the VCR or DVD POWER and RETURN+/TV buttons. Hold for at least three seconds and release.
- 3) Press the VCR or DVD POWER button, and see if the VCR or DVD responds.
- 4) If there was a response, press RETURN+/TV. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times for the VCR (40 times for the DVD player), and there is no response, use the remote control that came with your equipment.
- 5) Press RETURN+/TV to exit.

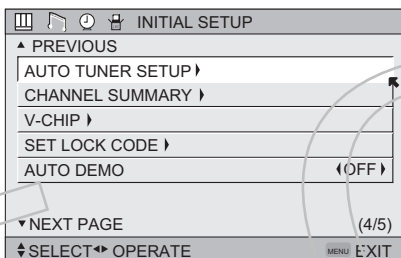
# Onscreen Menus

## Using the Guide

Certain symbols are used throughout this guide to help you learn about the features of your new television. The ones you will see most frequently are:

- ▲▼ Up and Down arrows mean press the CH+ or CH- buttons. Pressing the CH+ or CH- buttons let you:
    - Move vertically in a main menu screen
    - Move through a submenu screen
    - Move to the next letter, number, or other choice in a submenu
    - Back up to correct an error
    - Scan through TV channels (when not in a menu screen)
  - ◀▶ Left and right arrows mean press the VOLUME+ or VOLUME- buttons to move left or right to:
    - Select a highlighted menu item
    - Select an item in a submenu
    - Select numbers in certain menu options
    - Turn the volume up or down (when not in a menu screen)
-  The “press button” icon means you should press the button named on your remote control. (Button names appear in SMALL CAPITAL LETTERS.)
-  The “helping arrow” icon points to the highlighted or selected item in a menu.

**To bring up the onscreen menu,** press the MENU button on the remote control. The item that appears in green is the one currently selected. If you use the Menu button on the TV's front panel instead of the remote, an additional menu screen showing INPUT, VIDEO STATUS and ASPECT will appear between INITIAL SETUP and PICTURE ADJUST. The “interactive plug-in menu” will appear the first time the TV is plugged in.



### Note:

- Menus shown in this book are illustrations, not exact replications of the television's onscreen displays.

# Onscreen Menus

## The Onscreen Menu System

Your television comes with JVC's onscreen menu system. The onscreen menus let you make adjustments to your television's operation simply and quickly. Examples of the onscreen menus are shown on the next page. Detailed explanations on using each menu follow later in this guide. For information about the interactive plug-in Menu, see pages 30 - 32.

## The Onscreen Menu System

To open the onscreen menu system, press the MENU button on the remote control. You navigate within the onscreen menus by using the four directional arrow buttons on the remote control. (These buttons are also the CH +/- and VOL +/- buttons. Channel and volume functions will not operate when the onscreen menu is active).

The selected feature and option on a menu screen are highlighted in a different color.

**Selected Option  
(Green)**



**Selected Option  
(Blue)**

To move to a different feature use the ▲ ▼ arrows to move up or down the list. When you press the up arrow at the top of the list or the down arrow at the bottom, the next menu screen will appear. Use the arrows ◀ ▶ to select an option from the highlighted feature. Pressing MENU on the remote control will close the onscreen menu system and return you to normal television viewing.

Each menu and its features will be discussed in the following pages of this guide.

### Notes:

- If you do not press any buttons for about a minute, the onscreen menu will automatically shut off.
- Button names in this guide are shown in SMALL CAPITAL LETTERS.
- Menus may appear in different sizes onscreen depending on the aspect ratio selected.
- Some menu items may not appear in menu screens when certain aspect ratios or inputs are selected.

# Onscreen Menus



Press the Menu button

TO INITIAL SETUP 03

| INITIAL SETUP      |           |
|--------------------|-----------|
| ▲ PREVIOUS         |           |
| AUTO TUNER SETUP > |           |
| CHANNEL SUMMARY >  |           |
| V-CHIP >           |           |
| SET LOCK CODE >    |           |
| AUTO DEMO          | (OFF)     |
| ▼ NEXT PAGE        | (4/5)     |
| SELECT → OPERATE   | MENU EXIT |

INITIAL SETUP 04

| INITIAL SETUP    |           |
|------------------|-----------|
| ▲ PREVIOUS       |           |
| DIGITAL SETUP >  |           |
| ▼ NEXT PAGE      | (5/5)     |
| SELECT → OPERATE | MENU EXIT |

INITIAL SETUP 05

| CLOCK / TIMERS   |           |
|------------------|-----------|
| ▲ PREVIOUS       |           |
| SET CLOCK >      |           |
| ON / OFF TIMER > |           |
| ▼ NEXT PAGE      |           |
| SELECT → OPERATE | MENU EXIT |

CLOCK/TIMERS

| SOUND ADJUST     |           |
|------------------|-----------|
| ▲ PREVIOUS       |           |
| BASS (00)        |           |
| TREBLE (00)      |           |
| BALANCE (00)     |           |
| RESET            |           |
| ▼ NEXT PAGE      |           |
| SELECT → OPERATE | MENU EXIT |

SOUND ADJUST

| INITIAL SETUP       |           |
|---------------------|-----------|
| ▲ PREVIOUS          |           |
| VIDEO-1 MONITOR OUT | (OFF)     |
| TV SPEAKER          | (ON)      |
| AUDIO OUT           | (VARI)    |
| DIGITAL-IN          | (SIZE1)   |
| DIGITAL-IN AUDIO    | (DIGITAL) |
| CENTER-CH INPUT     | (ON)      |
| ▼ NEXT PAGE         | (1/5)     |
| SELECT → OPERATE    | MENU EXIT |

INITIAL SETUP 01

| INITIAL SETUP         |           |
|-----------------------|-----------|
| ▲ PREVIOUS            |           |
| NOISE MUTING          | (ON)      |
| FRONT PANEL LOCK      | (OFF)     |
| V1 SMART INPUT        | (ON)      |
| VIDEO INPUT LABEL >   |           |
| POSITION ADJUSTMENT > |           |
| POWER INDICATOR       | (LOW)     |
| ▼ NEXT PAGE           | (2/5)     |
| SELECT → OPERATE      | MENU EXIT |

INITIAL SETUP 02

| PICTURE ADJUST    |           |
|-------------------|-----------|
| ▲ PREVIOUS        | STANDARD  |
| TINT (00)         |           |
| COLOR (00)        |           |
| PICTURE (00)      |           |
| BRIGHT (00)       |           |
| DETAIL (00)       |           |
| COLOR TEMPERATURE | (HIGH)    |
| ▼ NEXT PAGE       | (1/2)     |
| SELECT → OPERATE  | MENU EXIT |

PICTURE ADJUST 01

| PICTURE ADJUST          |           |
|-------------------------|-----------|
| ▲ PREVIOUS              | STANDARD  |
| DIG. NOISE CLEAR        | OFF       |
| COLOR MANAGEMENT        |           |
| DYNAMIC GAMMA           | (ON)      |
| BURN-IN IMAGE REDUCER > |           |
| RESET                   |           |
| ▼ NEXT PAGE             | (2/2)     |
| SELECT → OPERATE        | MENU EXIT |

PICTURE ADJUST 02

| INITIAL SETUP    |                 |
|------------------|-----------------|
| ▲ PREVIOUS       |                 |
| IMAGE SHIFT >    |                 |
| LANGUAGE         | ENG. FRAN. ESP. |
| CLOSED CAPTION > |                 |
| AUTO SHUT OFF    | (OFF)           |
| XDS ID           | (ON)            |
| ▼ NEXT PAGE      | (3/5)           |
| SELECT → OPERATE | MENU EXIT       |

INITIAL SETUP 03

TO INITIAL SETUP 04

## Notes:

- The DIGITAL-IN menu can only be displayed when a 480p picture signal is input to the digital-in terminal and the picture is being displayed on the screen.
- When the Menu button on the TV side panel is pressed, the FRONT PANEL CONTROL menu between INITIAL SETUP 05 and PICTURE ADJUST 01 will appear.
- Regarding the digital setup menu, see page 75.



# Initial Setup

## Auto Tuner Setup

The auto tuner setup function is described on page 32 as the interactive plug-in menu. If you need to run the auto tuner setup again, follow the steps below.



Press the MENU button



To AUTO TUNER SETUP



To operate



To TUNER MODE (IN ANALOG)



To choose CABLE, AIR or SKIP



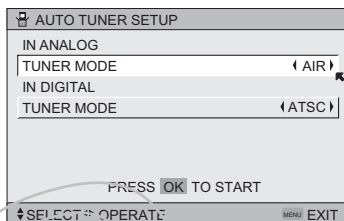
To TUNER MODE (IN DIGITAL)



To choose ATSC, DIGITAL CABLE or SKIP



Press the Ok button to start



Programming will take approximately 2 to 4 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.



Press the Menu button when finished

# Initial Setup

## Channel Summary

Channel summary allows you to customize the line-up of channels received by your TV. Regarding analog channels, you can add or delete channels from the line-up or prevent any unauthorized viewers from watching any or all 191 channels. Regarding digital channels, the only channels that will appear are the ones that are broadcasting.



Press the MENU button



To CHANNEL SUMMARY



To operate

The Channel summary screen will now be displayed with the channels set to scan marked with an "✓". Regarding analog channels, you can delete channels from the scan by removing the "✓". If any channels were missed during auto tuner setup and you wish to add them, you may by placing an "✓" next to the channel number.

- Digital channels can not be added to the channel summary if the auto tuner setup did not find them.



To the SCAN column



Press the Ok button to include or delete from scan



Press the MENU button when finished

### Note:

- The number of a digital channel may change, depending on the time of some broadcastings. If this channel existed and now had disappeared, the lock channel or scanned channel by the channel summary for that channel will be cancelled.

## Analog Channels

| CHANNEL SUMMARY          |      |     |  |
|--------------------------|------|-----|--|
| CHNO.                    | SCAN | ID  |  |
| 01                       |      |     |  |
| 02                       | ✓    | MTV |  |
| 03                       |      |     |  |
| 04                       | ✓    | A&E |  |
| 05                       | ✓    | E!  |  |
| 06                       | ✓    | HBO |  |
| 07                       | ✓    | L   |  |
| 08                       |      |     |  |
| 09                       | ✓    |     |  |
| 10                       |      |     |  |
| SELECT OPERATE MENU EXIT |      |     |  |

## Digital Channels

| Channel Summary Digital |      |              |   |
|-------------------------|------|--------------|---|
| CH No.                  | Scan | Station Name |   |
| D01                     | ✓    | FOX          |   |
| D02                     | ✓    | ABC          |   |
| D02                     |      | CNN          |   |
| D10-1                   | ✓    | NBC          |   |
| D10-2                   |      | BOX          | ✓ |
| D12345                  | ✓    | NHK          |   |
| Operate Back Exit       |      |              |   |

### Note:

- When the Cable Card is not inserted into the Cable Card Slot:  
If you are watching analog channels, the above screen appears.  
If you are watching digital channels, the below screen appears.
- When the Cable Card is inserted into the Cable Card Slot:  
Below screen appears  
Both analog and digital channels are listed, but the background video is not displayed.

# Initial Setup

How to set the channel label. *(This is only for analog broadcasting.)*



Press the MENU button



To CHANNEL SUMMARY



To operate



To the ID column



Press the Ok button to enter



To select the character you want



To move to the next space

...continue to follow these directions for all four spaces



Press the Ok button to finish

*Your characters are now set*



Press the MENU button when finished

If you want to reset the characters you set:



Press the MENU button



To CHANNEL SUMMARY



To operate



To the ID column



Press the Ok button to enter



To select RESET



Press the Ok button to finish

*Your characters are now reset*

## Notes:

- You can use characters for: Alphabet, numbers, marks and spaces.
- It is possible to set the maximum of 40 channel labels.
- If you try to set more than the 40 maximum, the message "MEMORY OVERFLOW" will appear.

You can block access to a channel by activating the channel lock.



Press the MENU button



To CHANNEL SUMMARY



To operate



To the Lock Column ( )



Press the ZERO button to lock or unlock that channel



Press the MENU button when finished

# Initial Setup

## Channel Guard Message

When a viewer attempts to watch a guarded channel, the following message appears:

To watch a channel that you have locked, enter the Lock Code using the 10 key pad.

If the wrong code is entered, the message "INVALID LOCK CODE!" will flash on the screen.

The channel cannot be accessed until the correct code is entered.

THIS CHANNEL IS LOCKED BY  
CHANNEL GUARD.  
PLEASE ENTER LOCK CODE BY  
10 KEY PAD TO UNLOCK IT.

NO. ----

### Notes:

- Once a channel has been unlocked, it will remain unlocked until the television is turned off.
- See also "Set Lock Code", page 48.

## V-Chip

Your TV is equipped with V-Chip technology which enables you to block channels or content that you feel to be inappropriate for children, based on US rating guidelines. V-Chip has no effect on video signals from DVD discs or Camcorder connection.

**Note:** Some programs, and movies are broadcast without a ratings signal. Even if you set up V-CHIP ratings limits, these programs will not be blocked. See page 44 for information on how to block unrated programs

You can customize the V-Chip settings of your television to match your personal tastes. The V-Chip menu below is the starting point for your V-Chip settings

You can use US V-Chip settings and movie ratings. You may use any or all of the settings (US V-Chip and Movie ratings). Descriptions for setting each of the three V-Chip formats appear in the next five pages along with descriptions of the rating categories.

To access the rating categories:



Press the MENU button



To V-CHIP



To operate (Lock icon  will appear)



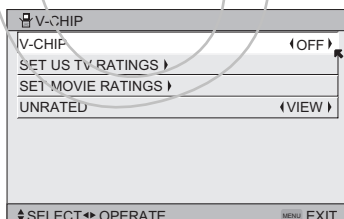
Press ZERO to access the V-Chip menu



To turn V-Chip ON or OFF (V-Chip must be turned ON for rating settings to operate)



To move to SET US TV RATINGS and SET MOVIE RATINGS. (see following pages for descriptions of each item)



# Initial Setup

## Unrated Programs

Unrated programming refers to any programming which does not contain a rating signal. Programming on television stations which do not broadcast rating signals will be placed in the "Unrated Programming" category.

Examples of Unrated programs:

- Emergency Bulletins
- News
- Public Service Announcements
- Sports
- Some Commercials
- Locally Originated Programming
- Political Programs
- Religious Programs
- Weather

### Note:

- TV programs or movies that do not have rating signals will be blocked if the unrated category is set to BLOCK.

## Directions to Block Unrated Programs

You can block programs that are not rated.



Press the MENU button



To V-CHIP



To operate (The lock icon  appears)



Press ZERO to access V-Chip setup options



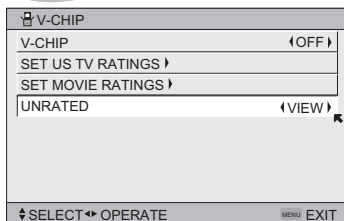
To UNRATED



To VIEW or BLOCK



Press MENU when done



## US V-Chip Ratings

### U.S. PARENTAL RATING SYSTEMS

**Programs with the following ratings are appropriate for children.**

☐ **TV Y is Appropriate for All Children**

Programs are created for very young viewers and should be suitable for all ages, including children ages 2 - 6.

☐ **TV Y7 is for Older Children**

Most parents would find such programs suitable for children 7 and above. These programs may contain some mild fantasy violence or comedic violence, which children should be able to discern from reality.

**Programs with the following ratings are designed for the entire audience.**

☐ **TV G stands for General Audience**

Most parents would find these programs suitable for all age groups. They contain little or no violence, no strong language, and little or no sexual dialog or situations.

☐ **TV PG Parental Guidance Suggested**

May contain some, but not much, strong language, limited violence, and some suggestive sexual dialog or situations. It is recommended that parents watch these programs first, or with their children.

☐ **TV 14 Parents Strongly Cautioned**

Programs contain some material that may be unsuitable for children under the age of 14 including possible intense violence, sexual situations, strong coarse language, or intensely suggestive dialog. Parents are cautioned against unattended viewing by children under 14.

☐ **TV MA Mature Audiences Only**

These programs are specifically for adults and may be unsuitable for anyone under 17 years of age. TV MA programs may have extensive V, S, L, or D.

### Viewing Guidelines

In addition to the ratings categories explained above, information on specific kinds of content are also supplied with the V-Chip rating. These types of content may also be blocked. The content types are:

- **V/FV** is for VIOLENCE/FANTASY VIOLENCE
- **S** stands for SEXUAL CONTENT
- **L** stands for strong LANGUAGE
- **D** stands for suggestive DIALOG

# Initial Setup

## Setting US V-Chip Ratings




Press the MENU button



To V-CHIP



To operate (lock icon  appears)



Press ZERO to access the V-Chip menu



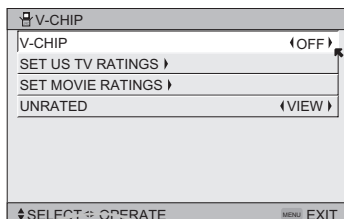
To turn V-Chip ON or OFF






To move to SET US TV RATINGS



To operate



## Directions to set US V-Chip Ratings

Line up the cursor in the column (TV PG, TV G, etc.) with the content row (V/FV, S, etc.) and press the  or  to move the cursor to the correct location. Press Ok to turn the locking feature on or off. An item is locked if the  icon appears instead of a “—”.

**For example.** To block viewing of all TV 14 shows, move the cursor to the top row of that column and add a lock icon. Once you've put a lock on the top row, everything in that column is automatically locked.



To the TV 14 Column



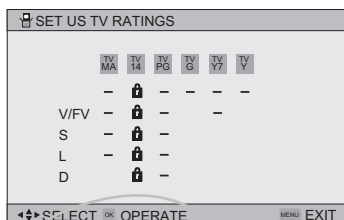
Press the Ok button to lock



Press the MENU button when finished

### Note:

- If you want to change the setup, move the cursor to the top column and change the lock icon to “—” by pressing OK again. You may then select individual categories to block.



# Initial Setup

## Movies Ratings

### ☐ NR – Not Rated

This is a film which has no rating. In many cases these films were imported from countries which do not use the MPAA ratings system. Other NR films may be from amateur producers who didn't intend to have their film widely released.

**NR (Not Rated) Programming may contain all types of programming including children's programming, foreign programs, or adult material.**

### ☐ G – General Audience

In the opinion of the review board, these films contain nothing in the way of sexual content, violence, or language that would be unsuitable for audiences of any age.

### ☐ PG – Parental Guidance

Parental Guidance means the movie may contain some contents such as mild violence, some brief nudity, and strong language. The contents are not deemed intense.

### ☐ PG-13 – Parents Strongly Cautioned

Parents with children under 13 are cautioned that the content of movies with this rating may include more explicit sexual, language, and violence content than movies rated PG.

### ☐ R – Restricted

These films contain material that is explicit in nature and is not recommended for unsupervised children under the age of 17.

### ☐ NC-17 – No One Under 17

These movies contain content which most parents would feel is too adult for their children to view. Content can consist of strong language, nudity, violence, and suggestive or explicit subject matter.

### ☐ X – No One under 18

Inappropriate material for anyone under 18.

## Directions to set Movie (MPAA) Ratings




Press the MENU button



To V-CHIP



To operate (Lock icon  appears)



Press ZERO to access V-Chip setup options



To SET MOVIE RATINGS



To enter movies menu

### For example:

To block viewing of X and NC-17 rated from shows:



To the X Column



Press the Ok button to lock



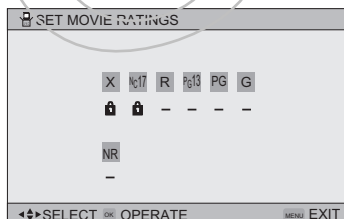
To the NC-17 Column



Press the Ok button to lock



Press the MENU button to finish





# Initial Setup

## Set Lock Code

Channel guard and V-Chip settings are protected by a four-digit lock code. Your TV comes preset with a lock code of "0000". You may change the code to any four-digit number you wish. To change the lock code, follow the steps below.




Press the MENU button



To SET LOCK CODE



To operate (lock icon  appears)



Press ZERO to access the lock code

The first digit will be highlighted



To select the number



To move to the next digit

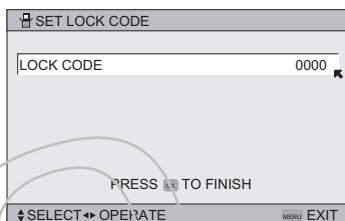
Continue to follow these directions for all four numbers



Press the OK button to finish (your lock code is now set)



Press the Menu button when finished



When a viewer attempts to watch a blocked channel, this message appears:

THIS PROGRAMMING EXCEEDS  
YOUR RATING LIMITS.  
PLEASE ENTER LOCK CODE BY  
10 KEY PAD TO UNLOCK IT.  
NO. - - - -

The channel will remain blocked until the correct lock code is entered (see above for information on setting your lock code).

### Notes:

- After a power interruption you must reset the lock code.
- Write your lock code number down and keep it hidden from potential viewers.
- If you forget the lock code, a new code may be set using the steps listed above.

# Initial Setup

## Auto Demo

This function lets you preview the Dynamic Gamma demo.



Press the MENU button



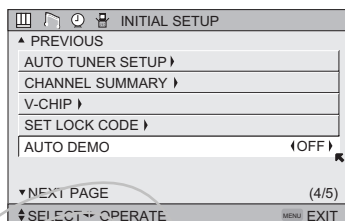
To AUTO DEMO



To turn AUTO DEMO ON or OFF

### Notes:

- Auto demo starts 2 seconds after it is set to ON.
- To stop auto demo, press the BACK button.



## Image Shift

The picture displayed on the screen is shifted up, down and to the left and right at regular intervals. In order to prevent burn-in, set this function to FAST or STANDARD.



Press the MENU button



To IMAGE SHIFT



To select the mode "STD (STANDARD)", "FAST" or "OFF"

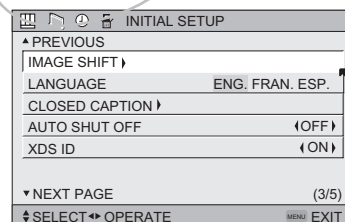


Press the MENU button when finished

**OFF:** IMAGE SHIFT is turned off.

**STD:** The picture is shifted every 30 minutes.

**FAST:** The picture is shifted every 10 minutes.



## Language

The language function is described on page 30 as the interactive plug-in menu. If you need to choose the language again, follow the steps below.



Press the MENU button



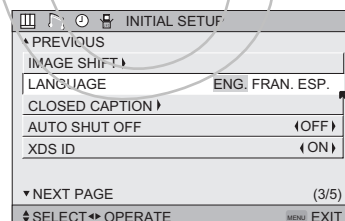
To LANGUAGE



To choose a language: ENG. (English), FRAN. (French) or ESP. (Spanish)



Press the MENU button when finished












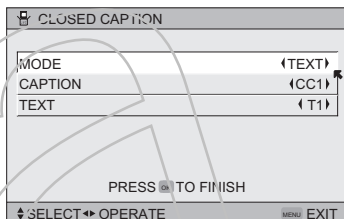
# Initial Setup

## Closed Caption






Many broadcasts now include an onscreen display of dialog called closed captions. Some broadcasts may also include displays of additional information in text form. Your television can access and display this information using the closed caption feature. To activate the closed caption feature, follow the steps below. There are three methods. When you are watching analog channels, you can perform Analog Setting of closed caption. When you are watching digital channels, you can perform Digital Auto Setting or Digital Manual Setting.

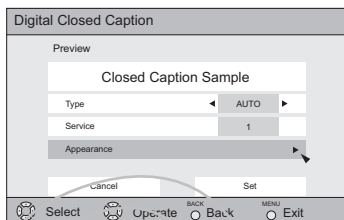
### Analog Setting







-  Press the MENU button
-  To CLOSED CAPTION
-  To enter
-  To MODE
-  To select CAPTION or TEXT in MODE
-  To CAPTION or TEXT
-  To select a caption (CC1 to CC4) or text channel (T1 to T4)
-  Press the OK button to save
-  Press the MENU button when finished




### Digital Auto Setting

-  Press the MENU button
  -  To CLOSED CAPTION
  -  To enter
  -  To Type
  -  To select Auto, Advanced or Basic
- Auto:** Shows closed caption a priority for digital channels over analog channels. It is set automatically.
- Advanced:** Shows only the digital closed caption.
- Basic:** Shows only the analog closed caption.

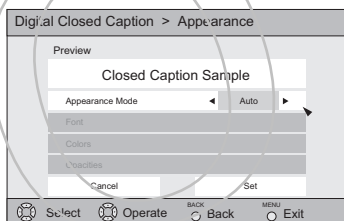


-  To Service
-  To select 1, 2, 3, 4, 5 or 6
-  To Appearance
-  To enter
-  To select Auto
-  To Set

-  Press the OK button to save

*The font/type and color are set automatically.*

-  Press the MENU button when finished



#### Note:

- If you want to cancel the settings, select cancel.

# Initial Setup

## Digital Manual Setting



Press the MENU button



To CLOSED CAPTION



To enter



To Type



To select Auto, Advanced or Basic



To Service



To select 1, 2, 3, 4, 5 or 6



To Appearance



To enter



To select Manual



To Font



To enter



To select Font Size or Font Style



To select the setting you like

Font Size: Auto, Standard, Large or Small

Font Style: Auto, Serif Mono, Serif, Sanserif mono, Sanserif, Casual, Cursive or Small Capital



To Set



Press the Ok button to save



To Colors



To enter



To select Text, Edge or Background



To select the setting you like

Auto, White, Black, Red, Green, Blue, Yellow, Magenta or Cyan



To Set



Press the Ok button to save



To Opacities



To enter



To select Text/Edge or Background



To select Auto, Transparent, Translucent, Solid or Flashing



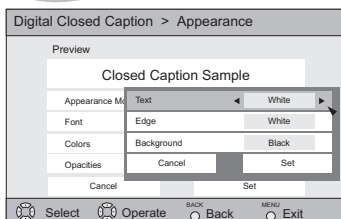
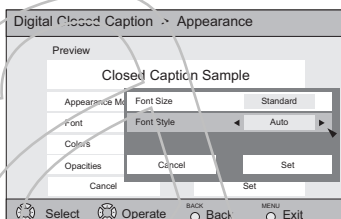
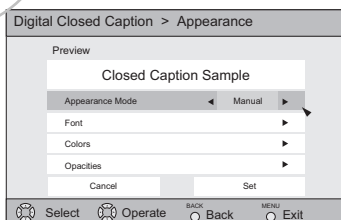
To Set



Press the Ok button to save



Press the MENU button when finished



### Notes:

- Closed caption subtitles are usually found on closed caption channel CC1. Some programs may include additional text information which is usually found on text channel T1. The other channels are available for future use.
- Closed captioning may not work correctly if the signal being received is weak or if you are playing a video tape.
- Most broadcasts containing closed captioning will display a notice at the start of the program.
- To select the mode, press the C.C. button. See page 70.

# Initial Setup

## Auto Shut Off

This function automatically shuts off your TV when there is no signal from the channel the TV is on.



Press the MENU button



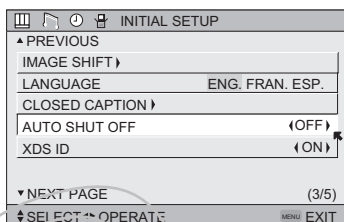
To AUTO SHUT OFF

To turn ON or OFF



Press the MENU button when finished

- If the channel that you have on does not receive a signal for more than one minute, the blinking text "NOT RECEIVING A SIGNAL AUTO SHUT OFF in 9 MIN." appears on the screen, and starts the countdown. If no signal is being received within 10 minutes, the TV shuts itself off.
- When i.LINK is displayed, Auto Shut Off will not work.



## XDS ID

XDS ID Display provides a channel's call letters, the network's name, and even a program name. The XDS ID information is provided by the broadcaster.



Press the MENU button

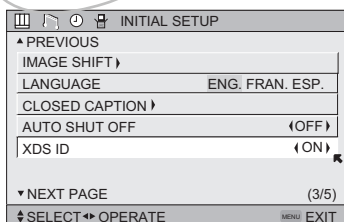


To XDS ID

To turn ON or OFF



Press the MENU button when finished



## Noise Muting

This feature inserts a blank gray screen over channels which are not broadcasting or are too weak to be received clearly.



Press the MENU button

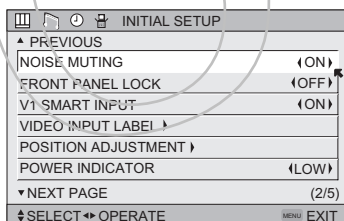


To NOISE MUTING

To turn noise muting ON or OFF



Press the MENU button when finished



### Notes:

- Noise muting will not work during auto tuner setup or when you operate channel summary.
- Noise muting will not work when the digital TV or i.LINK is displayed.

# Initial Setup

## Front Panel Lock

This allows you to lock the keys on the front of the TV, so that a child may not accidentally change your viewing preferences.



Press the MENU button



To FRONT PANEL LOCK



To turn ON or OFF



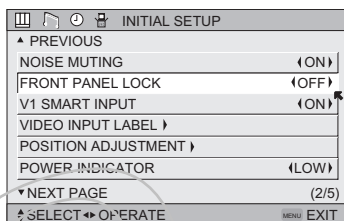
Press the MENU button when finished

You can turn off this feature in the following ways:

- Unplug the power cord, and plug it back in. Do this if your batteries die, or you lose your remote control.
- Use the remote control.
- Press the MENU button on the back of the TV for more than 3 seconds. In this case, the OSD for FRONT PANEL LOCK will appear.

### Note:

- To turn ON/OFF the TV, press the power button for more than 3 seconds. This feature will remain ON.



## V1 Smart Input

This feature is used if you have connected an AV Receiver to your television. By turning this feature on, your television can automatically detect the signal source from your components that are connected to your AV Receiver.



Press the MENU button



To V1 SMART INPUT



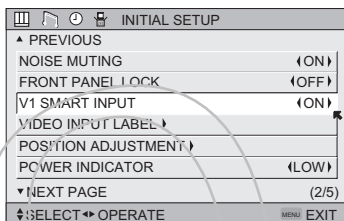
To turn ON or OFF



Press the MENU button when finished

### Notes:

- If you do not have an AV Receiver connected to your television, turn this feature OFF. By doing so, you can take advantage of using AV CompuLink components with your television.
- Some AV Receivers may not work with this function.



# Initial Setup

## Video Input Label

This function is used to label video input connections for the onscreen displays.



Press the MENU button



To VIDEO INPUT LABEL



To enter



To select the desired video input



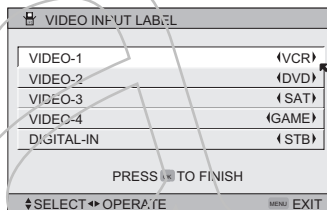
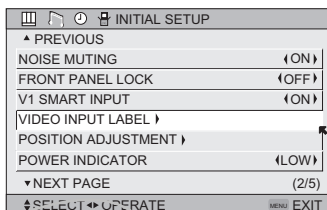
To select the desired preset input label (see chart below)



Press the OK button to save



Press the MENU button when finished



| Preset Label/s | Select when...   |
|----------------|--|
| VCR            | You have a VCR connected to the video input                |
| DVD            | You have a DVD connected to the video input                |
| DVHS           | You have a Digital VCR connected to the video input        |
| STB            | You have a Set-top Box connected to the video input        |
| SAT            | You have a Satellite Receiver connected to the video input |
| AMP            | You have an Amplifier connected to the video input         |
| GAME           | You have a Video Game connected to the video input         |
| CAM            | You have a Video Camera connected to the video input       |
| DISC           | You have a Video Disc player connected to the video input  |

# Initial Setup

## Position Adjustment

Position adjustment allows you to adjust the position of the picture on the screen vertically when the aspect is set to panorama, cinema or full.



Press the MENU button



To POSITION ADJUSTMENT



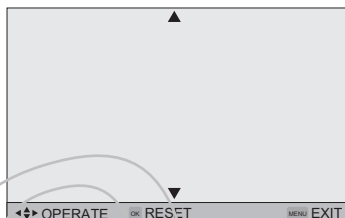
To enter



To adjust the position



Press the MENU button to finish



### Notes:

- To reset the adjustment to the center, press the Ok button.
- When the arrow disappears, while you are adjusting the position, the position is at its maximum limit.
- If you select regular size with aspect or Multi Screen, position adjustment option is not seen.
- When you change the screen size, perform the position adjustment again.
- Position adjustment allows you to adjust the screen position vertically and horizontally when the aspect is set HD panorama or cinema zoom for 720p and 1080i signals.

## Power Indicator

Power indicator allows you to adjust the brightness of the power indicator



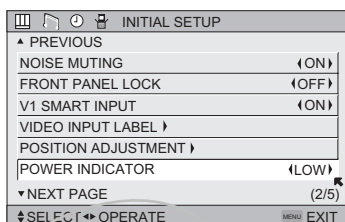
Press the MENU button



To POWER INDICATOR



To adjust POWER INDICATOR LOW, HIGH or OFF



### Note:

- If you set a timer on the TV, the power indicator will light even if the TV is on stand by.

## Video-1 Monitor Out

This function allows you to set whether the signal, which comes from VIDEO-1 input terminal, should be output from MONITOR OUT terminal. If you select it from MONITOR OUT, set it to "ON".



Press the MENU button



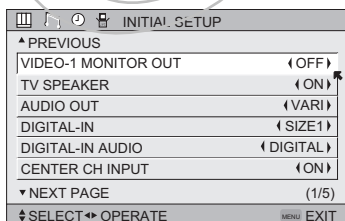
To VIDEO-1 MONITOR OUT



To select ON or OFF



Press the MENU button to finish





# Initial Setup

## TV Speaker

If your TV is connected to a stereo system, you can turn off the TV speakers and listen to the audio through your stereo.



Press the MENU button



To TV SPEAKER



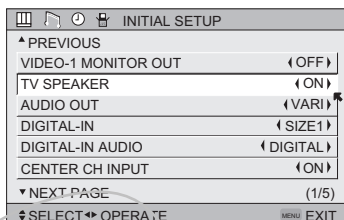
To turn the TV's speakers ON or OFF



Press the MENU button when finished

### Notes:

- Before you turn the TV speaker setting from OFF to ON, **make sure that the TV volume level is low!** If the TV volume is set too high, the sound level will be extremely loud.
- After a power interruption, the TV speaker settings will return to "ON"



## Audio Out

If your television is connected to an external speaker source, audio out gives you the option of controlling the volume level with your TV's remote control.



Press the MENU button



To AUDIO OUT



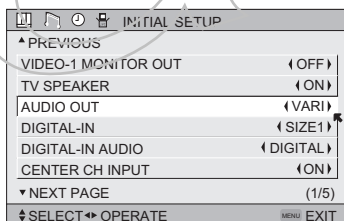
To VARI or FIX



Press the MENU button when finished

**VARI:** Lets you adjust the volume of the external speakers using the VOLUME+/- buttons on your TV's remote control.

**FIX:** The volume of the external speakers is adjusted using the audio device's remote control.



## Digital-In

The DIGITAL-IN option can only be displayed in the INITIAL SETUP menu when an HDMI480p picture signal is being input to the DIGITAL-IN terminal. This option adjusts the position when an HDMI or DVI 480p picture signal is being displayed on the screen. There are two types of HDMI 480p picture signals: 640x480 and 720x480. If the displayed picture is slightly shifted, the position can be adjusted by selecting either SIZE1 or SIZE2.



Press the MENU button



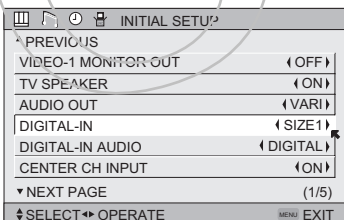
To DIGITAL-IN



To select SIZE1 or SIZE2



Press the MENU button to finish



# Initial Setup

## Digital-In Audio

This feature is used if you have a DTV or HDMI compatible component connected to your TV.



Press the MENU button



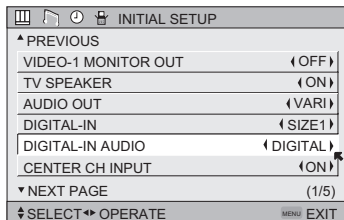
To DIGITAL-IN AUDIO



To select ANALOG or DIGITAL



Press the Menu button when finished



### Notes:

- If your DTV or HDMI component is capable of digital audio and video, choose DIGITAL. If your DTV or HDMI component is capable of analog audio and digital video, choose ANALOG.
- Refer to your DTV or HDMI component's instruction manual for more information.
- When you select DIGITAL, select PCM on Digital Sound in the Digital Setup menu. See page 76.

## Center CH Input

When you are using a surround system, you can substitute the speaker of this television for the center speaker of your surround system. Set CENTER CH INPUT to ON when you use the speaker as the center speaker of your surround system. The volume differs when the TV is being utilized as the Center Channel Input versus when it is not.



Press the MENU button



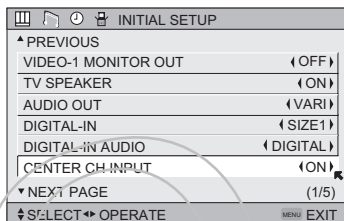
To CENTER CH INPUT



To adjust CENTER CH INPUT to ON or OFF



Press the MENU button when finished



### Note:

- In order to use the CENTER CHANNEL SPEAKER feature, you need a video signal present as well as sound. Because of that we recommend using this feature for Home Theater setup only. If there is no video signal present, the TV will be muted.
- There are two different volume adjustment levels, one for regular TV and one for TV used as a CENTER CHANNEL. Please remember that when switching CENTER CHANNEL mode ON and OFF in TV menu.

# Picture Adjust

## Picture Settings

These settings allow you to change and adjust the way the picture appears on your television.

### TINT

Tint allows you to adjust the levels of red and green in your TV picture.

### COLOR

The color function lets you make all the colors in the TV picture appear either more vivid or subtle.

### PICTURE

Picture allows you to adjust the levels of black and white on the TV screen, giving you a darker or brighter picture overall.

### BRIGHT

You can adjust the overall brightness of the TV picture with the Bright control.

### DETAIL

The Detail feature adjusts the level of fine detail displayed in the picture.

## Adjust the Picture Settings



Press the MENU button



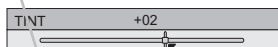
To TINT, COLOR, PICTURE, BRIGHT or



DETAIL



To enter



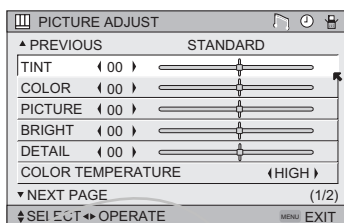
To adjust the setting



To move to the next setting



Press the MENU button when finished



## Color Temperature

You can decide how strong or dull the colors appear on the TV screen.



Press the MENU button



To COLOR TEMPERATURE



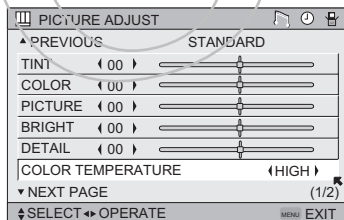
To enter



To set LOW or HIGH



Press the MENU button when finished



# Picture Adjust

## Digital Noise Clear

With digital noise clear, this helps take our static or noise from a channel that may not be coming in clearly.



Press the MENU button



To DIG. NOISE CLEAR



To enter



To select the mode LOW, HIGH or OFF



Press the MENU button when finished

| DIG. NOISE CLEAR |   |
|------------------|---|
| OFF              | ★ |
| LOW              |   |
| HIGH             |   |

## Color Management

This TV supports the COLOR MANAGEMENT function to ensure dull colors are compensated to produce natural hues.



Press the MENU button



To COLOR MANAGEMENT



To enter



To select the mode "ON" or "OFF"



Press the MENU button when finished

| COLOR MANAGEMENT |   |
|------------------|---|
| ON               | ★ |
| OFF              |   |

## Dynamic Gamma

JVC's Dynamic Gamma Circuitry (DGC) makes it easier to see dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas. DGC is turned on, DGC analyzes and adjusts the total level of picture brightness balance, especially in dark areas where the level of greyscale is often lost, turning completely to black. DGC automatically enhances the detail in these dark areas providing a more dynamic image with finer detail, so the optimum picture settings are automatically set for each picture. Normally use with DGC on.



Press the MENU button



To DYNAMIC GAMMA



To enter



To turn ON or OFF



Press the MENU button when finished

| DYNAMIC GAMMA |   |
|---------------|---|
| ON            | ★ |
| OFF           |   |

# Picture Adjust

## Burn-in Image Reducer

When burn-in is minimal, burn-in and residual images may be softened with the BURN-IN IMAGE REDUCER function.



Press the MENU button



To BURN-IN IMAGE REDUCER



To enter

REDUCING BURN-IN.

PLEASE WAIT

Burn-in will be reduced by displaying snow on the screen for approximately 55 seconds, and white for approximately 5 seconds in sequence. Leave the television in this state for some time (more than a few hours).



Press the MENU button to bring back to the normal screen.

## Reset

Reset resets all picture adjustments (tint, color, picture, bright, detail, color temperature, dig. noise clear, color management and dynamic gamma) at once to the default settings.



Press the MENU button



To RESET

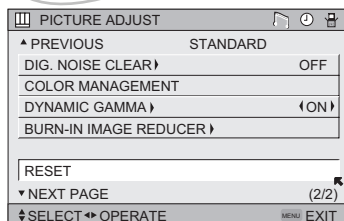


To enter

*The onscreen menu disappears for a moment, and then the settings are reset to the default setting for all the picture adjustments.*



Press the MENU button when finished



# Sound Adjust

## Sound Settings

These settings allow you to change and adjust the sound on your television.

**BASS** – You can increase or decrease the level of low-frequency sound in the TV's audio with the bass adjustment.

**TREBLE** – Use treble to adjust the level of high-frequency sound in your TV's audio.

**BALANCE** – Adjust the level of sound between the TV's left and right speakers with the balance setting.

## Adjust the Sound Settings



Press the MENU button



To BASS, TREBLE or BALANCE

To adjust the setting



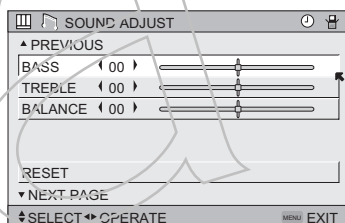
To move to the next setting



Press the MENU button when finished

### Note:

- You can reset the sound adjustments (BASS, TREBLE and BALANCE) you set at once as the default setting when you select reset. See page 60.
- You can adjust BALANCE only when A.H.S. is off. See page 67.



## Reset

Reset resets all Sound Adjustments (Bass, Treble and Balance) at once to the default settings. See page 60 on how to use reset.

# Clock/Timers

## Set Clock

The set clock function is described on page 30 as the interactive plug-in menu. You can choose to set the clock automatically or manually. If you need to set the clock again, follow the steps below.



Press the MENU button



To SET CLOCK



To enter

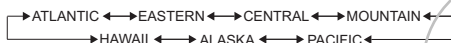
When you set the clock automatically, choose **AUTO** by pressing the ◀ or ▶ arrows.



To TIME ZONE



To select your time zone



To D.S.T. (daylight savings time)



To turn D.S.T. ON or OFF



Press OK to finish



Press the MENU button when finished

| SET CLOCK          |              |
|--------------------|--------------|
| MODE               | ◀ AUTO ▶     |
| TIME               | -- : --      |
| TIME ZONE          | ◀ ATLANTIC ▶ |
| DATE/YEAR          | JAN/01/04    |
| D.S.T.             | ◀ ON ▶       |
| PRESS OK TO FINISH |              |
| SELECT OPERATE     | MENU EXIT    |

When you set the clock manually, choose **MANUAL** by pressing the ◀ or ▶ arrows.



To move to the hours



To set the hours



To move to minutes



To set the minutes



To TIME ZONE



To select your time zone:

(Atlantic, Eastern, Central, Mountain, Pacific,  
Alaska or Hawaii)



To DATE/YEAR



To set the month



To day



To set the day



To year



To set the year



To D.S.T. (daylight savings time)



To turn D.S.T. ON or OFF



Press OK to start clock

| SET CLOCK               |              |
|-------------------------|--------------|
| MODE                    | ◀ MANUAL ▶   |
| TIME                    | -- : --      |
| TIME ZONE               | ◀ ATLANTIC ▶ |
| DATE/YEAR               | JAN/01/04    |
| D.S.T.                  | ◀ ON ▶       |
| PRESS OK TO START CLOCK |              |
| SELECT OPERATE          | MENU EXIT    |

THANK YOU !!



Press the MENU button when finished

### Notes:

- D.S.T. can be used when it is set to ON in the SET CLOCK menu.
- Only when the MODE set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

## On/Off Timer

The on/off timer lets you program your television to turn itself on or off. You can use it as an alarm to wake up, to help you remember important programs, or as a decoy when you're not home.



Press the MENU button



To ON/OFF TIMER



To enter (begins with ON TIME)



To set the hour (AM/PM) you want the TV to turn on



To move to minutes



To set the minutes



To accept ON TIME and move to OFF TIME (the time the TV will turn off). Set the OFF TIME the same way as ON TIME



To accept OFF TIME and move to CHANNEL



To select channel



To ON VOLUME



To set the volume level



To move to MODE



Choose ONCE or EVERYDAY



To ON/OFF TIMER



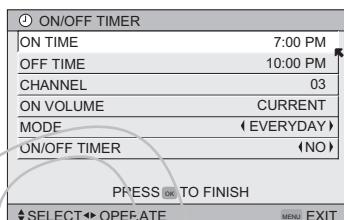
Choose YES to accept the timer setting, choose NO if you don't wish to accept



Press the OK button to finish



Press the MENU button to exit the menu



### Notes:

- The on/off time cannot be set to locked or guarded channels.
- In order for the on/off timer to work, the clock must be set.
- After a power interruption, the timer settings must be reset.



# Button Functions

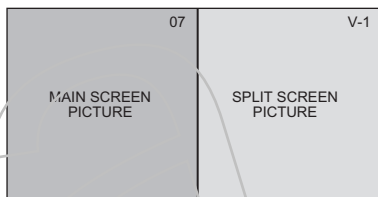
## Multi Screen Function

Your television has two kinds of screen: TWIN (2 channels) and INDEX (12 channels).

**Note:** After you press any multiscreen buttons, if you press the menu button, only the picture adjust screen will appear.

## Twin

Activate the split-screen option by pressing TWIN on the remote control. The channel (or input) you were watching before pressing TWIN will appear on the left, the new channel will appear on the right. The sound will continue to come from the main screen channel (or input). To turn split-screen off and return to normal television viewing, press TWIN again or press the BACK button.



### Notes:

- If the signal that you are watching is coming from the HDMI input, you cannot enter the TWIN mode.
- Main Screen and Split Screen will not display the same channel or input at the same time.
- You can enter the TWIN mode when the screen is in NORMAL or INDEX mode.
- Split-screen functions will not work with locked channels or channels blocked by V-Chip ratings limits. A gray screen will display instead.
- The aspect of MAIN CHANNEL PICTURE becomes 16:9 when you input the picture of 480p, 720p and 1080i from the component terminal.
- After you press the SELECT button, and select SPLIT SCREEN when you press the OK button, select normal screen. If you don't operate, the MAIN CHANNEL SCREEN will be automatically selected about 8 seconds later.
- Aspect does not work in Twin mode.
- When it is PC output, Main and Split screen will not be displayed.
- When the cable card is inserted into the TV, the combination of analog broadcasting and digital broadcasting will not appear in the TWIN mode.

# Button Functions

## Index

This allows you to quickly look at up to 12 channels at a time so that you can decide which one to watch.

|   |    |    |    |
|---|----|----|----|
| 1 | 2  | 3  | 4  |
| 5 | 6  | 7  | 8  |
| 9 | 10 | 11 | 12 |

### Notes:

- Only RF input signal will be displayed.
- You can watch the channel added in channel summary. See page 41.

## Freeze

Pressing the FREEZE button causes the screen to change to the split-screen display with the still picture displayed on the right. In order to return to the normal display, press the FREEZE button once again.

**Note:** When the screen is in freeze mode, if you do not operate it within 15 minutes, this function will cancel out.

## Swap

You can exchange the channel (or input) displayed in the split screen window for the main screen image by pressing the SWAP button.

**Note:** It will only work in TWIN mode.

## Select

With SELECT, you can select the picture (channel) while viewing TWIN screen. When you press SELECT button, the channel number on the top will be highlighted. Each press of SELECT will shift the channel.

# Button Functions

## Power

Turns the TV on or off.



Press the POWER button

## Number Buttons - 10Key Pad

Use the number buttons on the remote control to move directly to a specific channel. For example, to move to channel 12:



0 (Zero)



1 (One)



2 (Two)

## Tune

Lets you decide the input channel and select it. After you press the number buttons on the remote, press the TUNE button. For example, to move to channel 12:



1 (One)



2 (Two)



Press the TUNE button

## Input

Selects the signal input source for the television: Input-1, 2, 3, 4, DIGITAL-IN or i.LINK for video devices like VCRs, DVD players or camcorders.



Press the INPUT button

*By every press of the INPUT button, you can change the input mode.*

### Notes:

- When you return to TV mode, press the RETURN +/-TV button or direct 10 key pad.
- You can also access the FRONT CONTROL PANEL screen by using the MENU button on the back of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose INPUT by pressing MENU ▼ on the back panel and choose a mode by using the CHANNEL +/- buttons (◀ OPERATE ▶).
- If you have a PC connected to the TV, select INPUT 4.
- i.LINK can be selected only when you have an i.LINK device connected.

## TheaterPro D6500K

The TheaterPro D6500K color temperature technology function makes sure that the video you watch is set to the standard color temperature, so that what you see is as true to what the film to video editors intended it to be.



Press the THEATERPRO button

# Button Functions

## Return +/-TV

The RETURN+/TV button has three functions.

**Return** - Returns to the channel viewed just before the channel currently onscreen.

**Return+** - Lets you program a specific channel to return to while scanning through the channels using the CH+ and CH- buttons.

**TV** - Returns to the TV mode.



Press the RETURN+/TV and hold for three seconds

RETURN CHANNEL  
PROGRAMMED!

The channel currently active has been programmed as your return+ channel. Now scan through the channels using the CHANNEL+/- buttons.



Press the RETURN+/TV

You will return to your programmed channel.

- To cancel your return+ channel, press and hold the RETURN+ button for three seconds. The message "RETURN CHANNEL CANCELLED!" will appear.
- Return+ works only with the Channel+/- buttons. Pressing any number key will cancel return+.

## Sound

By pressing the SOUND button, you can change the A.H.S. (Advanced Hyper Surround) mode, BBE, SMART SOUND and A.H.B (Active Hyper Bass) on or off.

**A.H.S.** - Adds a more spacious surround sound. Music gives basic effect and movie for more effect.

**BBE** - BBE High Definition Sound restores clarity and presence for better speech intelligibility and musical realism.

**SMART SOUND** - Decreases high sound levels, giving a regulated sound level.

**A.H.B.** - You can reinforce the bass sound to maintain rich, full bass at low volumes, and enjoy a clear sound with boosted bass.



Press the SOUND button



To select A.H.S., BBE, SMART SOUND or A.H.B.



To choose the setting



Press the MENU when finished

| SOUND EFFECT   |       |       |        |
|----------------|-------|-------|--------|
| A.H.S.         | MOVIE | MUSIC | OFF    |
| BBE            |       |       | ON OFF |
| SMART SOUND    |       |       | ON OFF |
| A.H.B.         |       |       | ON OFF |
| SELECT OPERATE |       |       | EXIT   |

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**Note:** Smart Sound may become an unnatural effect, depending on the signal source.

# Button Functions

## Muting

The **MUTING** button instantly turns the volume down completely when you press it. Press **MUTING** and the volume level will instantly go to zero. To restore the volume to its previous level, press **MUTING** again.

## Video Status

The **VIDEO STATUS** button gives you a choice of four TV picture display settings, including a display of your own preferences.

**Standard** - Resets the picture display to the factory settings.

**Dynamic** - Gives a vivid picture with better contrast when viewing in a brightly lit room.

**Theater** - Gives a rich, film-like look to video when viewing in a dimly lit room.

**Game** - Used for when you are playing video games connected to your TV.

| VIDEO STATUS |
|--------------|
| STANDARD     |
| DYNAMIC      |
| THEATER      |
| GAME         |



Press the **VIDEO STATUS** button

*By every press of the **VIDEO STATUS** button, you change the mode.*

### Note:

- You can also change the mode by pressing the **▲▼** buttons.
- The **VIDEO STATUS** function is initially set to **DYNAMIC**. Unless the TV is being watched in an extremely bright room, it is recommended to change the **VIDEO STATUS** setting to standard, theater or game. Doing so will reduce the chance of PDP burn-in and extend the life of the PDP.
- You can also access the **FRONT CONTROL PANEL** screen by using the **MENU** button on the back of the TV instead of the remote control. It appears between **INITIAL SETUP** and **PICTURE ADJUST** screen, and it has **INPUT**, **VIDEO STATUS** and **ASPECT** menus. Choose **VIDEO STATUS** by pressing **MENU ▼** on the back panel and choose a mode by using the **CHANNEL +/-** buttons ( **◀ OPERATE ▶** ).

## Natural Cinema

Natural cinema corrects the problem of blurred edges which may occur when viewing a program originally shot on film (such as motion pictures) or animation. If you notice blurring at the edges of these programs, press **NATURAL CINEMA** and set it to **AUTO**. Natural Cinema helps correct conversion errors that occur when film, which is shot at 24 frames-per-second, is broadcast at the television rate of 30 frames-per-second.



Press the **NATURAL CINEMA** button

**Notes:** The natural cinema mode is automatically set to "AUTO" in the following cases:

- Turning on or off
- Changing the channel or input mode
- Using multi-screen functions

| NATURAL CINEMA |
|----------------|
| AUTO           |
| ON             |
| OFF            |

# Button Functions

## Sleep Timer

The Sleep Timer can turn the TV off for you after you fall asleep. Program it to work in intervals of 15 minutes, for a total time of up to 180 minutes.



Press the SLEEP button



### Sleep Timer Message

20 seconds before the automatic shutoff, this message will appear:

GOOD NIGHT!!  
PUSH SLEEP TIMER BUTTON  
TO EXTEND

You then have 20 seconds to press the SLEEP button to delay the shut off for another 15 minutes.

## ML/MTS

MTS technology allows several audio signals to be broadcast in analog at once, giving you a choice in what you wish to hear with a TV program. In addition to mono or stereo sound, an MTS broadcast may also include a second audio program (SAP).



Press the ML/MTS button

*By every press of the ML/MTS button, you change the mode*

| MTS    |        |
|--------|--------|
| ON AIR | STEREO |
| ON AIR | SAP    |
|        | MONO   |

### Notes:

- When you are receiving a digital broadcast, if there are other languages, you can change the language by pressing the ML/MTS button.
- Keep the TV in stereo mode to get the best sound quality. The sound will work in stereo mode even if a certain broadcast is in mono sound only.
- Choose the mono setting to reduce excessive noise on a certain channel or broadcast.
- Selecting SAP will allow you to hear an alternative soundtrack, if one is available.
- MTS unavailable if your television's Input source is in input 1, 2, 3 or 4 mode, as described on page 66.
- ML/MTS will not work when you are using the Digital-In.
- You can also change the mode by pressing the ▲▼ buttons.

# Button Functions

## Display

The display screen shows the current status of timers, inputs and XDS ID.



Press the DISPLAY button

The screen to the right shows the following information:

- The current channel or AV input (Channel 05)
- The current time (12:20 pm)
- Sleep timer status/minutes remaining (The Sleep Timer is off)
- On/off timer status (Set to turn on everyday at 7:00 PM, off at 10:00 PM)
- Each Press of the DISPLAY button changes the display mode:

|               |          |
|---------------|----------|
| 05 KLVX PBS   |          |
| JAZZ FESTIVAL |          |
| NOW           | 12:20 PM |
| SLEEP TIMER   | OFF      |
| ON/OFF TIMER  | EVERYDAY |
| ON TIME       | 7:00 PM  |
| OFF TIME      | 10:00 PM |

→ Display → Time → Channel → Off →

**Display** - Full screen shown above

**Time** - Shows the current time only

**Channel** - Shows the current channel

**Off** - Turns display off

### Notes:

- You may also turn off the display at any step by pressing MENU.
- If the clock, sleep timer or on/off timer are not set, the display screen will show: "CLOCK NOT SET", "SLEEP TIMER OFF", and "ON/OFF TIMER OFF" respectively.

## C.C. (Closed Caption)

Use the C.C. (Closed Caption) button to select the mode of closed caption.



Press the C.C. button

### Notes:

- SMART CAPTION will appear when you press the Muting button, only on channels where the broadcast contains closed captioning.
- When you select ON, it will be the mode selected in the Closed Caption Menu.
- See page 50 when you set the caption/text mode.
- You can also change the mode by pressing the ▲▼ buttons.

|                |
|----------------|
| CLOSED CAPTION |
| OFF            |
| SMART CAPTION  |
| ON             |

## Channel +/-

Use these buttons to move up or down all the available channels your TV is able to receive.

## Volume +/-

Use these buttons to raise or lower the TV's volume level.

# Button Functions

## Favorite

The Favorite button allows you to select your favorite channels easily. First, you must register the channels that you like. See how to register below.



Press the FAVORITE button  
*The favorite channel list will appear.*



To select the channel you want to watch



Press the Ok button  
*It will change to the channel you have selected.*

| FAVORITE   |      |
|------------|------|
| ▲ PREVIOUS |      |
| 101        | CBS  |
| 102        | FOX  |
| D103       | PBS2 |
| <          | >    |
| D107       | HBO  |
| 8          | ABC  |
| ▼ NEXT     |      |

## Register the favorite channel



Press the channel number you want to register  
*The channel program will change.*



Press the FAVORITE button for three seconds  
*The channel will be registered in the favorite channel list.*

### Notes:

- Both analog and digital channels can be registered. The digital channels have a "D" in front of the channel number.
- The maximum number of channels you can register is 24.
- If you have registered the maximum number of channels, and try to register more channels, the oldest channel you registered will be deleted.
- Sub channels can not be registered.
- The newest channel you registered will appear at the top of the list.
- Regarding digital channels, see pages 78 - 84.

## Delete the favorite channel



Press the FAVORITE button  
*The favorite channel list will appear.*



To select the channel you want to delete



To enter



Press the Ok button  
*The channel was deleted.*



Press the FAVORITE button when finished

### Note:

- Before pressing the FAVORITE button when you are finished, press the ◀▶ button again, and you can return to the deleted channel.



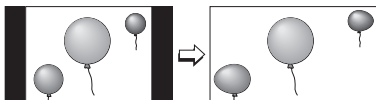
# Button Functions

## Aspect

This feature will help you adjust the picture you are watching to give you the best possible picture quality.

## Aspect Ratios

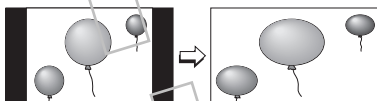
**PANORAMA** - With this ratio a normal 4:3 aspect picture is stretched to fit the dimensions of the 16:9 aspect screen.



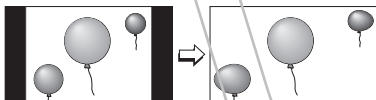
**CINEMA** - This ratio "zooms in" on the center part of a 4:3 aspect picture, blowing it up to fill the 16:9 screen.



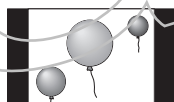
**FULL** - This is the ratio to use when watching 16:9 High-Definition broadcasts.



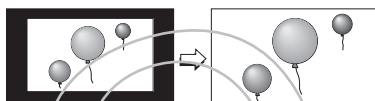
**HD PANORAMA** - This ratio stretches the High-Definition 16:9 aspect image to eliminate the black side bars.



**REGULAR** - The regular ratio is used when you want to watch a 4:3 broadcast or recorded program without modifying the original picture to fit the dimensions of your 16:9 screen. The 4:3 picture will fill the screen from top to bottom, while black bars will appear to fill up the remaining space along the picture's sides. The 4:3 picture will be centered within the boundaries of the 16:9 screen.



**CINEMA ZOOM** - This ratio stretches the High-Definition 16:9 aspect image to eliminate the black surrounding bars.



# Button Functions

## Aspect Ratios (Continued)



Press the ASPECT button

- *By pressing the ASPECT button, you can change the size.*

When you change the aspect ratios, it is different from their broadcast or recorded program.

NTSC, 480i, 480p

HD (1080i, 720p)

| ASPECT   |
|----------|
| PANORAMA |
| CINEMA   |
| FULL     |
| REGULAR  |

| ASPECT      |
|-------------|
| HD-PANORAMA |
| CINEMA ZOOM |
| FULL        |

### Notes:

- You can also choose the size by pressing the ▲▼ buttons.
- When you change the aspect ratio or signal, reset the picture position to center.
- You can also access the FRONT PANEL CONTROL screen by using the MENU button on the back of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose ASPECT by pressing Menu ▼ on the back panel and choose a mode by using the CHANNEL +/- buttons (◀ OPERATE ▶).

## Menu

The MENU button allows you to access JVC's onscreen menu system. Press MENU to activate the onscreen menu system.

- See individual topics like "Sound Adjust" for specific information on using menus.

## OK

This button confirms your selection when you are in one of the onscreen menus.

## Back

This button allows you to go back in the menu to change a selection or correct a mistake.

# Button Functions

## TV/CATV Slide Switch

Use either the television's own tuner or a cable box to select channels. Set this switch to **TV** to operate the television's built-in tuner. Move the switch to **CATV** to operate a cable box.

### Note:

- See page 33 for information on programming your remote for cable box operation.

## VCR/DVD Slide Switch

You can control a VCR or DVD player with the buttons on the lower part of the remote control. Move the slide switch to **VCR** or **DVD** to operate.

### Notes:

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 34.
- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 35.

## VCR Buttons

You can use this remote control to operate the basic functions of your VCR. These functions include: play, record, rewind, fast-forward, stop, pause, channel scan, TV/VCR, power on and power off.

Move the selector switch to **VCR** to operate.

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 34.

## DVD Buttons

You can also use this remote control to operate the basic functions of your DVD player. These functions include: play, rewind, fast-forward, stop, still/pause, previous/next, tray open/close, power on and power off.

Move the selector switch to **DVD** to operate.

- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 35.

## Light

All remote control buttons are illuminated, except for the TV/CATV slide switch, VCR/DVD slide switch and Light button. Press the **LIGHT** button to turn the illumination on for 4 seconds.

# Digital Setup

## Digital Setup

Use this function when you are receiving a digital broadcast.



Press the MENU button



To DIGITAL SETUP

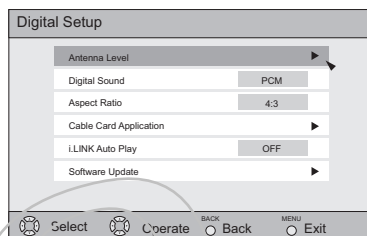


To enter

*The onscreen will appear*

### Notes:

- Software Update will only appear when the SD Card is inserted.
- If you are watching an analog channel, you can still access the digital setup menu at anytime, while you are doing this, the background screen will turn blank. In this case, the tuner will switch to digital, since you are accessing the digital setup menu.



## Antenna Level

Confirms the present antenna level.



Press the MENU button



To DIGITAL SETUP



To enter



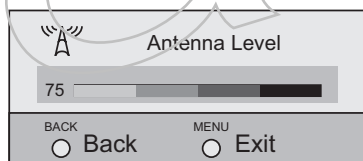
To Antenna Level



To enter

### Note:

- If you are watching an analog channel or a signal from your i.Link device, antenna level will not appear.



# Digital Setup

## Digital Sound

You can select the optical digital sound output, either PCM or Dolby Digital when your TV is connected to an amplifier that has Dolby Digital decoder. If you select Dolby Digital, you can enjoy listening in 5.1ch sound when watching digital broadcasts.



Press the MENU button



To DIGITAL SETUP



To enter



To Digital Sound



To select PCM or DOLBY DIGITAL



Press the MENU button when finished

### Notes:

- If your amplifier does not have Dolby Digital decoder, select PCM. If you don't select PCM, it cannot output the sound from the speakers.
- For connecting an amplifier using the optical output, see page 23.



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## Aspect Ratio

You can select the aspect mode for ATSC from 4:3 or 16:9.



Press the MENU button



To DIGITAL SETUP



To enter



To Aspect Ratio



To select 4:3 or 16:9



Press the MENU button when finished

### Notes:

- Set the mode to 4:3 or 16:9 before you record a program using the ATSC MONITOR OUT.
- Make sure the mode you choose is the same as the TV's aspect ratio when the recorded program is played back, so that you can obtain a good picture quality, free from any unnatural distortions.

# Digital Setup

## Cable Card Application



Press the MENU button



To DIGITAL SETUP



To enter



To Cable Card Application



To enter



Press the Ok button

*The application will perform*

## i.LINK Auto Play

When playing a D-VHS tape, you can set it to the i.LINK input automatically, or manually.



Press the MENU button



To DIGITAL SETUP



To enter



To i.LINK Auto Play



To select ON or OFF

ON: Set to i.LINK input automatically

OFF: Select the input manually



Press the MENU button when finished

## Software Update

At first, insert the SD(Multi-media) card into the memory card slot. This function will appear only when you insert an SD Card.



Press the MENU button



To DIGITAL SETUP



To enter



To Software Update



To enter



Checks the card if it needs an update or not



Press the MENU button when finished

# Digital Button Functions

## Digital CH D/A (Digital/Analog)

The D/A button changes the analog and digital channel. Each time you press the D/A button, you can switch back and forth the analog and digital channels. Digital channels have a "D" in front of the channel number.

### Note:

- If the cable card is inserted into the TV, you cannot use the D/A button. You can select a digital channel only.



Press the D/A button

To watch digital channels

For example, to move to channel D23:



Press 2 (Two)



Press 3 (Three)



Press the TUNE button

## Sub Channel

The main channel sometimes has minor channels (Sub Channels). By using the Sub button, you can select a sub channel easily.

For example, to move to sub channel 123-45:



Press 1 (One)



Press 2 (Two)



Press 3 (Three)



Press the SUB button



Press 4 (Four)



Press 5 (Five)



Press the TUNE button

### Note:

- If there are more than 2 major channels, select the digital channel by using the ▲▼ buttons and then press the OK button.

# Digital Button Functions

## i.LINK Menu

i.LINK has two menus - Controller and Device.

By connecting a D-VHS VCR with an i.LINK cable, you can set the timer easily.

### Notes:

- The i.LINK/Timer function will only work when you are receiving digital programming only.
- As for the connection of a D-VHS VCR with the i.LINK cable, see page 29.
- When operating the i.LINK, don't insert or disconnect the i.LINK cable.

## Controller

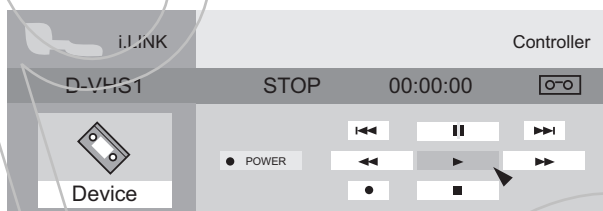
You can operate a D-VHS VCR connected with an i.LINK cable by using this controller.

### Notes:

- If the i.LINK is not connected, the Controller OSD will not appear. The OSD of device on page 30 will appear.
- Some controller operations may differ from your D-VHS VCR operations.



Press the i.LINK MENU button



◀▶▲▼ To select the key you want to operate



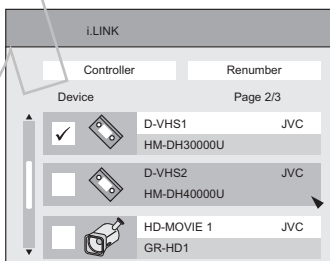
Press the Ok button



# Digital Button Functions

## Device

To operate, select a device.



To select your device connecting with i.LINK



Press the OK button

### Notes:

- If you do not select the device, you cannot use the i.LINK timer functions
- When one device is selected and you select controller, you will move to the Controller onscreen.
- The devices listed on the device onscreen are only D-VHS and HD-MOVIE that have i.LINK, which can be recognized on this television. However, you can not record programs to HD-MOVIE.
- If you disconnect one device, it will be removed from the list. Then, select Renumber to rearrange the list in the new order.

# Digital Button Functions

## Timer

You can set the two timers: Record and view. The timer starts the recording or turns to the channel you set for it automatically.

## Reservation



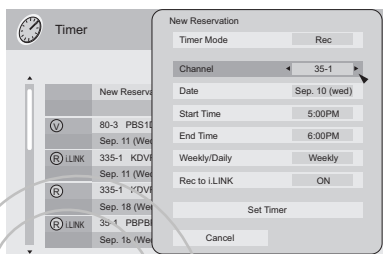
Press the **TIMER** button



To New Reservation



Press the **OK** button



To Timer Mode



To select Rec or View



To Channel



To select the channel you want to set the timer for



To Date



To select the date



To Start Time



To set the start time



To End Time



To set end time



To Weekly/Daily



To select Once, Weekly, Daily(Sun.-Sat.), Daily(Mon.-Sat.) or Daily(Mon.-Fri.)



To Rec to i.LINK



To select ON or OFF



To Set Timer



Press the **OK** button

If you set the Rec on timer mode, set recording **R** is added in front of the program title.

If you set the View on timer mode, set viewing **V** is added in front of the program title.

## Notes:

- In order for the i.LINK timer setting to work, you must set the clock on your television. See page 61.
- When you want to edit the timer settings, see Timer Edit on page 82.

# Digital Button Functions

## Timer Edit

When you want to confirm the timer you set or edited, or delete the timer setting, use this function.

### Timer Edition



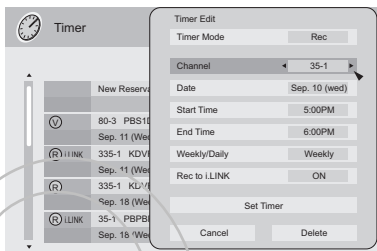
Press the **TIMER** button



To select the timer list you want to edit



Press the **Ok** button



To change the setting you want to edit



To Set Timer



Press the **Ok** button

### Timer Deletion



Press the **TIMER** button



To select the timer list you want to delete



Press the **Ok** button



To Delete



Press the **Ok** button

# Digital Button Functions

## Cancel the timer recording

When you record a digital program now, you can cancel the recording.



Press the **TIMER** button

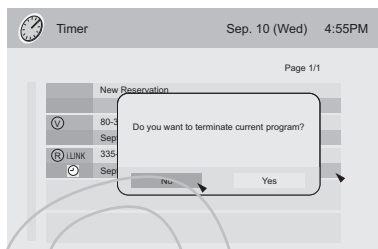


To select the timer list you want to cancel the recording



Press the **Ok** button

The message "Do you want to terminate current program ?" will appear.



To select

**YES:** Cancel the recording

**NO:** Continue the recording



Press the **Ok** button

## Guide

You can view the program from the **GUIDE**.

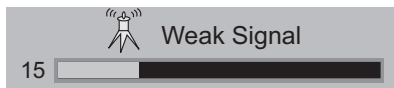
### Notes:

- The **GUIDE** function will only work when you are receiving digital programming only.
- The **GUIDE** will not show the correct time and date if you have not performed the set clock function on your television. See page 62.

# OSD Information

## Weak Signal

This OSD warning appears when the digital channel that you have selected is too weak to receive or no signal is being detected for that channel.



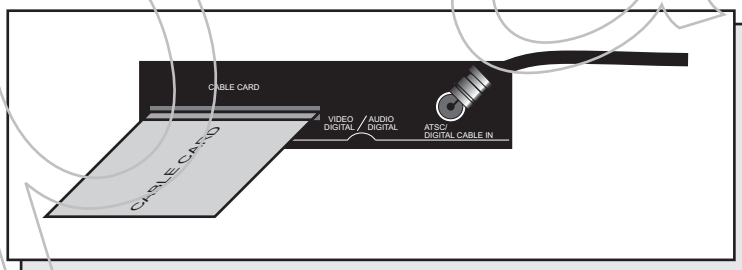
# Cable Card Information

Cable card offers information when a cable card is inserted into the CABLE CARD slot on the back of the receiver.

## Notes:

- Please contact your local cable company regarding detailed information.
- The Cable Card Slot is covered by a seal. Peel off the seal if you are going to use the Cable Card Slot. When you are finished using the Cable Card after you have pulled it out, place an attached seal to cover the slot to reduce radiated emission.

## Cable Card Connection



## Note for inserting Cable Card:

- When you are watching a digital program, and if a weather or government emergency occurs, the following may occur automatically regardless of what channel you were watching: the channel may change, the screen will disappear or important text will appear on the screen. The information is transmitted from EAS (Emergency Alert System), Firmware Upgrade of Cable Card or compulsory HTML.

# Troubleshooting

Refer to the table below to check the condition. If you think that there is a problem, contact the JVC Service Center where you purchased the television.

| PROBLEMS   | CHECK  |
|--|--|
| There is no power                                  | <ul style="list-style-type: none"> <li>• See if the power cord became unplugged.</li> <li>• Check for a blown fuse or circuit breaker or a power outage.</li> </ul>  |
| There is no picture or sound                       | <ul style="list-style-type: none"> <li>• The antenna could be disconnected.</li> <li>• The input mode could be set improperly. See page 66.</li> <li>• The tuner (Auto Tuner Setup) could be set improperly. See page 40.</li> <li>• The TV station may be having difficulties. Check to see if other stations are working.</li> </ul>                                       |
| Remote control is not operating properly or at all | <ul style="list-style-type: none"> <li>• Check to see that the batteries are still working and properly installed.</li> <li>• Make sure the remote has a clear sight path to the TV.</li> <li>• Check that the TV/CATV switch is in the proper position.</li> <li>• You may be too far from the TV. You must be within 23 feet (7 meters).</li> </ul>                        |
| You cannot select a certain channel                | <ul style="list-style-type: none"> <li>• Make sure the channels have been programmed. See "Channel Summary" page 41.</li> <li>• Check to see if the channel is locked. See "Channel Summary - Lock" page 42.</li> </ul>  |
| The power turns off by itself                      | <ul style="list-style-type: none"> <li>• Make sure the set did not become unplugged.</li> <li>• Perhaps the On/Off Timer is set. See page 63.</li> <li>• Check to see if the Sleep Timer was set. See page 69.</li> </ul>  |
| It does not operate correctly                      | <ul style="list-style-type: none"> <li>• This television is operated by a microprocessor. It is possible that external noise or interference is causing the problem. If the television does not function correctly, remove the electrical plug from the wall outlet and wait a while before inserting it into the wall outlet again and operating the television.</li> </ul> |
| The clock is wrong                                 | <ul style="list-style-type: none"> <li>• The power was interrupted and the clock was not reset. See page 62.</li> </ul>  |
| The color quality is poor                          | <ul style="list-style-type: none"> <li>• Tint and Color may be improperly adjusted. See page 58.</li> <li>• The Video Status mode may be turned to the wrong setting. See page 68.</li> </ul>  |
| There are lines across the picture                 | <ul style="list-style-type: none"> <li>• There could be interference from another electrical appliance, such as a computer, another TV or VCR. Move any such appliances further away from the TV.</li> </ul>   |
| The picture is spotted                             | <ul style="list-style-type: none"> <li>• There could be interference from a high-wattage appliance, like a hairdryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.</li> </ul>   |
| There are double pictures (ghosts)                 | <ul style="list-style-type: none"> <li>• A building or passing airplane can reflect the original signal and produce a second, slightly delayed one. Adjust your antenna position.</li> </ul>   |
| Picture is snowy (image noise)                     | <ul style="list-style-type: none"> <li>• Your antenna may be damaged, disconnected or turned. Check the antenna connection. If the antenna is damaged, replace it.</li> </ul>  |
| Screen is 80% black                                | <ul style="list-style-type: none"> <li>• The Closed Caption Text mode is on. Turn it off in the Closed Caption Menu, page 50.</li> </ul>   |
| Stereo or bilingual programs can't be heard        | <ul style="list-style-type: none"> <li>• Make sure the MTS settings are correct. See page 69.</li> </ul>   |

# Troubleshooting

| PROBLEMS                                | CHECK   |
|---|---|
| There is no sound from the TV's speaker | <ul style="list-style-type: none"><li>• The Center CH Input may be turned on. See page 57.</li><li>• The TV Speaker option may be turned off. See page 56.</li></ul>  |
| Static electricity                      | <ul style="list-style-type: none"><li>• It is normal to feel static electricity if you brush or touch the screen.</li></ul>   |
| You hear occasional crackling sounds    | <ul style="list-style-type: none"><li>• It is normal for the TV to make crackling sounds when first turned on or off. Unless the sound or picture become abnormal, this is fine.</li></ul>  |
| The AUTO DEMO finished automatically    | <ul style="list-style-type: none"><li>• The TV recieved a signal from the AV CompuLink</li><li>• The On Timer that you programmed has started.</li><li>• The channel that the AUTO DEMO is using is a channel that is blocked by V-Chip.</li><li>• The Auto Shut Off that you programed has occurred.</li></ul> |
| It does not operate correctly           | <ul style="list-style-type: none"><li>• Press the CHANNEL- and VOLUME- buttons on the front panel of the TV simultaneously for a few seconds. The Digital Tuner will be reset. If this does not reset it correctly, unplug the power cord and plug it back in.</li></ul>  |

## The following are not malfunctions.

- The television may make a creaking sound if the temperature of the room or the temperature of the inside of the television changes. If there is no problem with the screen or sound, then there is no need to worry.
- Although the picture may be temporarily disturbed and noise may be seen on the screen if the power is turned on immediately after it has been turned off, this is not a malfunction.
- If the television is used at a location above 2,000 m, a buzzing noise and image distortion may occur. This phenomenon is peculiar to PDP (Plasma Display Panel), and could occur with any television using PDP. It is not a malfunction.





## LIMITED WARRANTY

COLOR TV 1-1

For Canadian model televisions, see separate sheets for Canadian Warranty information.

JVC COMPANY OF AMERICA (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period")  
FOR DIRECT-VIEW COLOR TELEVISION, PICTURE TUBE is covered for Two(2) years.

Parts

1 YEAR

Labor

1 YEAR

**THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.**

### WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

### WHAT YOU MUST DO FOR WARRANTY SERVICE:

***Please do not return your product to the retailer***

Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website <http://www.jvc.com>. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Care Center at 800-252-5722

### WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal/reception problems and failures due to line power surges;
6. Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA  
DIVISION OF JVC AMERICAS CORP.

1700 Valley Road  
Wayne, NJ 07470

<http://www.jvc.com>

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

### For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. : \_\_\_\_\_

Serial No. : \_\_\_\_\_

Purchase date : \_\_\_\_\_

Name of dealer : \_\_\_\_\_

# **TO OUR VALUED CUSTOMER**

---

THANK YOU FOR PURCHASING THIS JVC PRODUCT.  
WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

**NEED HELP ON HOW TO HOOK UP?  
NEED ASSISTANCE ON HOW TO OPERATE?  
NEED TO LOCATE A JVC SERVICE CENTER?  
LIKE TO PURCHASE ACCESSORIES?**

**JVC<sup>®</sup> IS HERE TO HELP!**  
**TOLL FREE: 1(800)252-5722**  
**<http://www.jvc.com>**

Remember to retain your Bill of Sale for Warranty Service.

---

**Do not attempt to service the product yourself**

---

**Caution**

To prevent electrical shock, do not open the cabinet.  
There are no user serviceable parts inside.  
Please refer to qualified service personnel for repairs.

---

# Specifications

| Model  | PD-42X795   | FD-50X795  |
|--|---|--|
| Type   | Plasma Screen   |  |
| Reception Format   | NTSC, BTSC System (Multi-Channel Sound) ATSC Terrestrial, Digital Cable   |  |
| Reception Range  | VHF 2 to 13, UHF 14 to 69 CATV 135 Sub, Mid, Super, Hyper and Ultra bands (191 channel frequency synthesizer system)<br>• Reception of channel A-5 ("95" of the TV set's on-screen cable channel numbers) is not recommended for your TV set. |  |
| Power Source   | AC 120V, 60 Hz  |  |
| Power Consumption  | TV: 369W<br>Receiver: 38W   | TV: 468W<br>Receiver: 38W                              |
| Screen Size  | 42 inch / 107.5 cm<br>measured diagonally,<br>16:9 ratio  | 50 inch / 127 cm<br>measured diagonally,<br>16:9 ratio |
| Audio Output   | 20W + 20W   |  |
| Speakers   | DD Speaker : (3 3/4 x 7 7/16 inch / 9.5 cm x 1 cm) oval x 2<br>Tweeter: (13/16 inch / 2 cm) round x 2<br>Woofer (5 1/8 x 2 9/16 / 13 cm x 6.5 cm) oval x 2  |  |
| Antenna Terminal<br>(VHF/UHF,<br>ATSC/DIGITAL<br>CABLE IN) | 75 ohms (VHF/UHF)(F-type connector)   |  |
| External Input Jacks                                       | Video: 1 Vp-p, 75 ohms<br>Audio: 500 mVrms (-4dBs) high impedance   |  |
| Component Input Jack                                       | Y: 1Vp-p positive, 75 ohms (negative sync provided)<br>Pb/Pr: 0.7 Vp-p 75 ohms  |  |
| S-Video Input Jacks  | Y: 1Vp-p positive, 75 ohms (negative sync provided)<br>C: 0.286 Vp-p (burst signal), 75 ohms  |  |
| Monitor/Recording Output                                   | Video: 1Vp-p, 75ohms<br>Y: 1Vp-p positive, 75 ohms (negative sync provided)<br>C: 0.286 Vp-p (burst signal), 75 ohms<br>Audio: 250mVrms (-10dBs)<br>Fs-18dB Low Impedance   |  |
| Audio Output Jacks<br>(VARI/FIX)                           | VARI: More than 0 to 1000mVrms (+2.2dBs)<br>FIX: 500mVrms (-4dBs) Low impedance (400 Hz when modulated 100%)  |  |
| Subwoofer Output Jack                                      | More than 0 to 1000mVrms (+2.2dBs)<br>Low impedance (80 Hz when modulated 100%)   |  |
| Optical Output<br>Digital Audio                            | Digital Out (optical) x 1   |  |
| iLINK In/Out Jack  | TS IN/OUT (4-pin, 5400) x 2<br>IEEE1394 compliant DTCP digital copy protection compatible   |  |
| PC Input Jack  | Analog RGB D-SUB (15 pin) x 1<br>• PC signal is available. Refer to page 29 for details on the signals which can be input.  |  |
| AV CompuLink III Jack                                      | 3.5 mm mini jack X 1  |  |
| Digital-In   | HDMI jack x 1<br>Note: The Digital-In terminal is not compatible with picture signals of a personal computer  |  |
| Dimensions (in)<br>W X H X D (cm)                          | TV: 45 3/4 x 28 7/8 x 4 1/4<br>TV: 116 x 73.1 x 10.8  | TV: 53 1/4 x 33 x 4 3/8<br>TV: 135 x 83.6 x 11         |
|  | Receiver: 17 1/4 x 2 7/8 x 12 3/8<br>Receiver: 43.5 x 7 x 31.3  |  |
|  | TV: 83.6 / 38   | TV: 112.2 / 51   |
|  | Receiver: 9.5 / 4.3   |  |
| Accessories  | Refer to "unpacking your TV", page 9  |  |

**Specifications subject to change without notice.**

\* Rating Label is pasted at the bottom of the Receiver Unit.

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**JVC COMPANY OF AMERICA**  
Division of JVC Americas Corp.  
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Wayne, New Jersey, 07470



**JVC CANADA, INC.**  
21 Finchdene Square  
Scarborough, Ontario  
Canada, M1X 1A7



# JVC

## SCHEMATIC DIAGRAMS

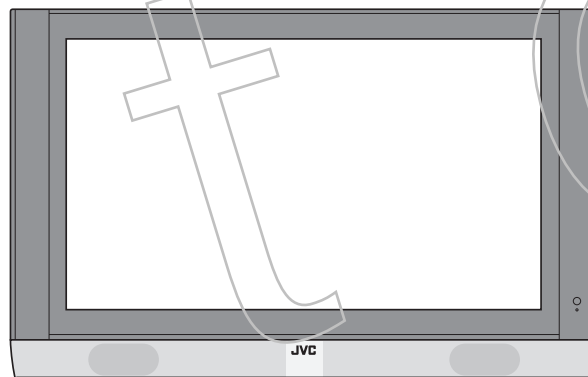
PDP COLOR TELEVISION

**PD-42X795<sub>s</sub>,  
PD-50X795<sub>IZ</sub>**

CD-ROM No.SML200502

BASIC CHASSIS

FP2

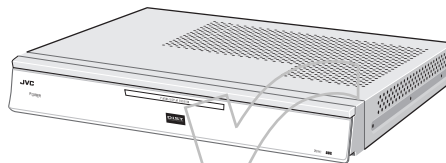


**VM-42X795 / VM-50X795**  
**[PLASMA DISPLAY UNIT]**

*I'Art*™ *Palette*

**D.I.S.T.**  
Digital Image Scaling Technology

**BBE**  
**HDMI**™  
HIGH-DEFINITION MULTIMEDIA INTERFACE



**TU-42X795 / TU-50X795**  
**[RECEIVER UNIT]**

# PD-42X795/s, PD-50X795/z

## STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the  $\triangle$  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k $\Omega$ /V
- (4)Oscilloscope sweeping time : H  $\Rightarrow$  20 $\mu$ s / div  
: V  $\Rightarrow$  5ms / div  
: Others  $\Rightarrow$  Sweeping time is specified
- (5)Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R209  $\rightarrow$  R209

#### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

##### (1)Resistors

###### ● Resistance value

- No unit : [ $\Omega$ ]
- K : [k $\Omega$ ]
- M : [M $\Omega$ ]

###### ● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

###### ● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

##### (2)Capacitors

###### ● Capacitance value

- 1 or higher : [pF]
- less than 1 : [ $\mu$ F]

###### ● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [ $\mu$ F]/withstand voltage[V]

###### ● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

##### (3)Coils

- No unit : [ $\mu$ H]
- Others : As specified

##### (4)Power Supply



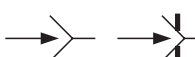
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

\* Respective voltage values are indicated





##### (5)Test point

-  : Test point
-  : Only test point display

##### (6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

##### (7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

#### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( $\perp$ ) side GND and the ISOLATED(NEUTRAL) : ( $\downarrow$ ) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

##### NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

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# USING P.W. BOARD

## [RECEIVER UNIT]

| P.W.B ASS'Y name          | TU-42X795    | TU-50X795    |
|---------------------------|--------------|--------------|
| RECEIVER P.W. BOARD       | SFP0F501A-M2 | ←            |
| ANALOG SIGNAL P.W. BOARD  | SFP0A501A-M2 | ←            |
| REAR JACK P.W. BOARD      | SFP0J501A-M2 | ←            |
| DIGITAL SIGNAL P.W. BOARD | SFP0D502A-M2 | SFP0D501A-M2 |
| FRONT CONTROL P.W. BOARD  | SFP-8501A-M2 | ←            |
| SD CARD P.W. BOARD        | SFP-8505A-M2 | ←            |
| SYSTEM POWER P.W. BOARD   | SFP-9511A-M2 | ←            |
| REGULATOR P.W. BOARD      | SFP-9507A-M2 | ←            |

## [DISPLAY UNIT]

| P.W.B ASS'Y name             | VM-42X795    | VM-50X795    |
|------------------------------|--------------|--------------|
| DISPLAY INTERFACE P.W. BOARD | SFP-7504A-M2 | SFP-7503A-M2 |
| AUDIO P.W. BOARD             | SFP-6502A-M2 | SFP-6501A-M2 |
| TEMP. SENSOR P.W. BOARD      | SSB-8381A-M2 | ←            |
| DISPLAY LED P.W. BOARD       | SSB0L285A-M2 | ←            |
| DISPLAY SWITCH P.W. BOARD    | SSB0L385A-M2 | ←            |
| LINE FILTER P.W. BOARD       | SFP-9509A-M2 | SFP-9508A-M2 |
| MAIN POWER P.W. BOARD        | SFP-9503A-M2 | —            |
| SUB POWER P.W. BOARD         | SFP-9505A-M2 | —            |

# SEMICONDUCTOR SHARPES

## TRANSISTOR

| BOTTOM VIEW | FRONT VIEW |  |  |  | TOP VIEW    |
|-------------|------------|--|--|--|-------------|
|             |            |  |  |  | CHIP TR<br> |

## IC

| BOTTOM VIEW | FRONT VIEW |  |  | TOP VIEW |
|-------------|------------|--|--|----------|
|             |            |  |  |          |

## CHIP IC

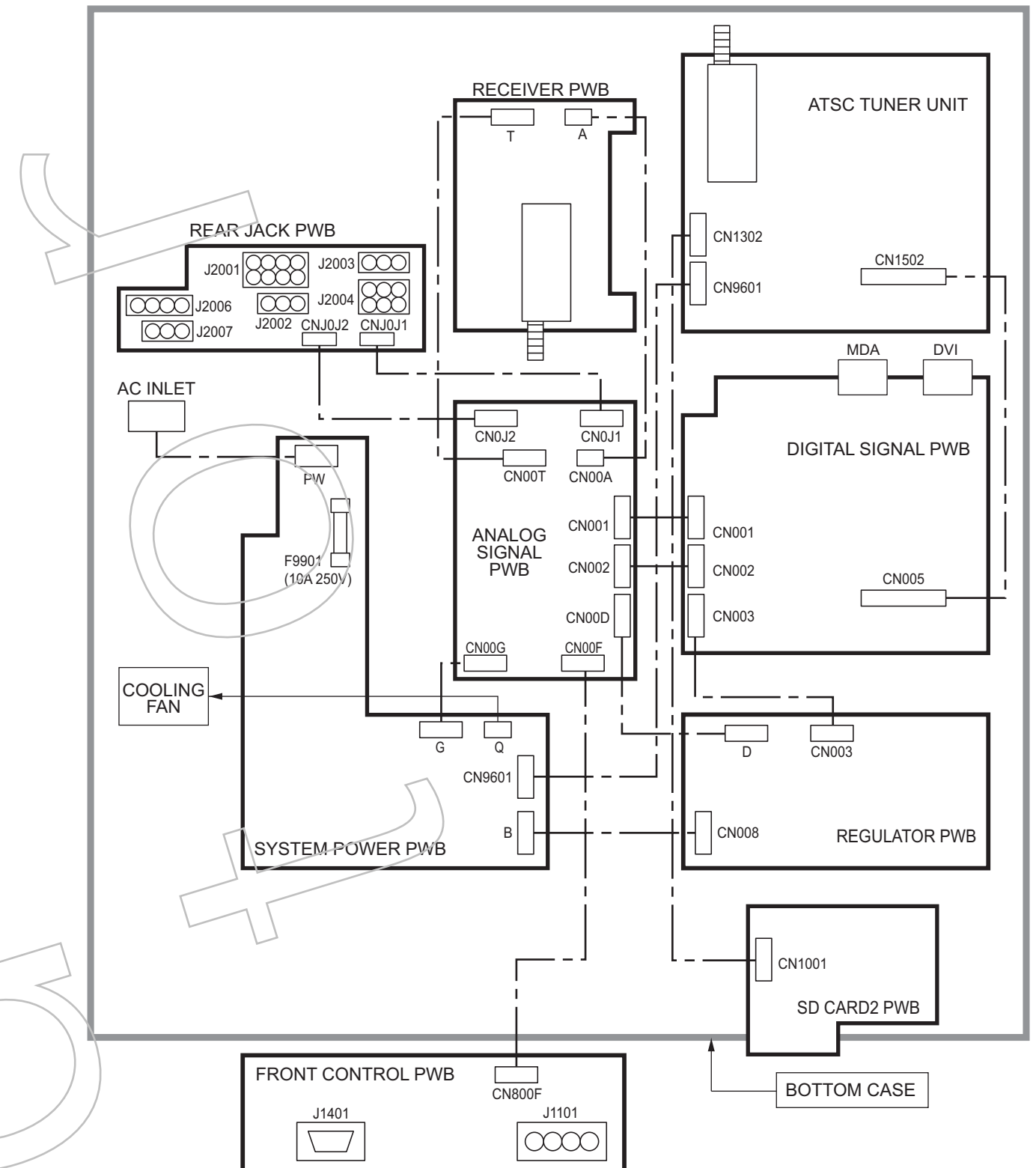
| TOP VIEW |  |  |
|----------|--|--|
|          |  |  |

d u p  
a t o  
r

**[DISPLAY UNIT]**

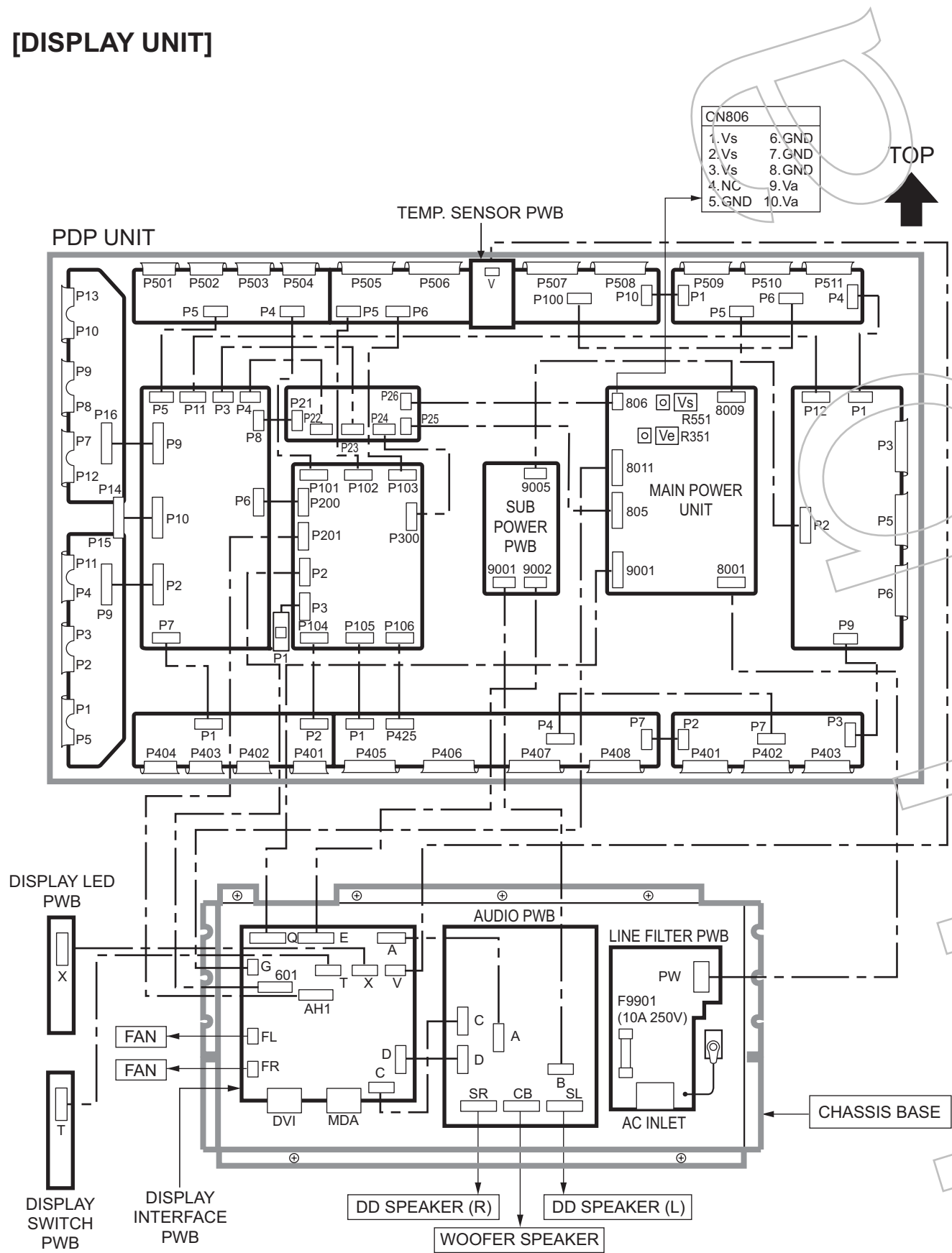


FRONT  
↓

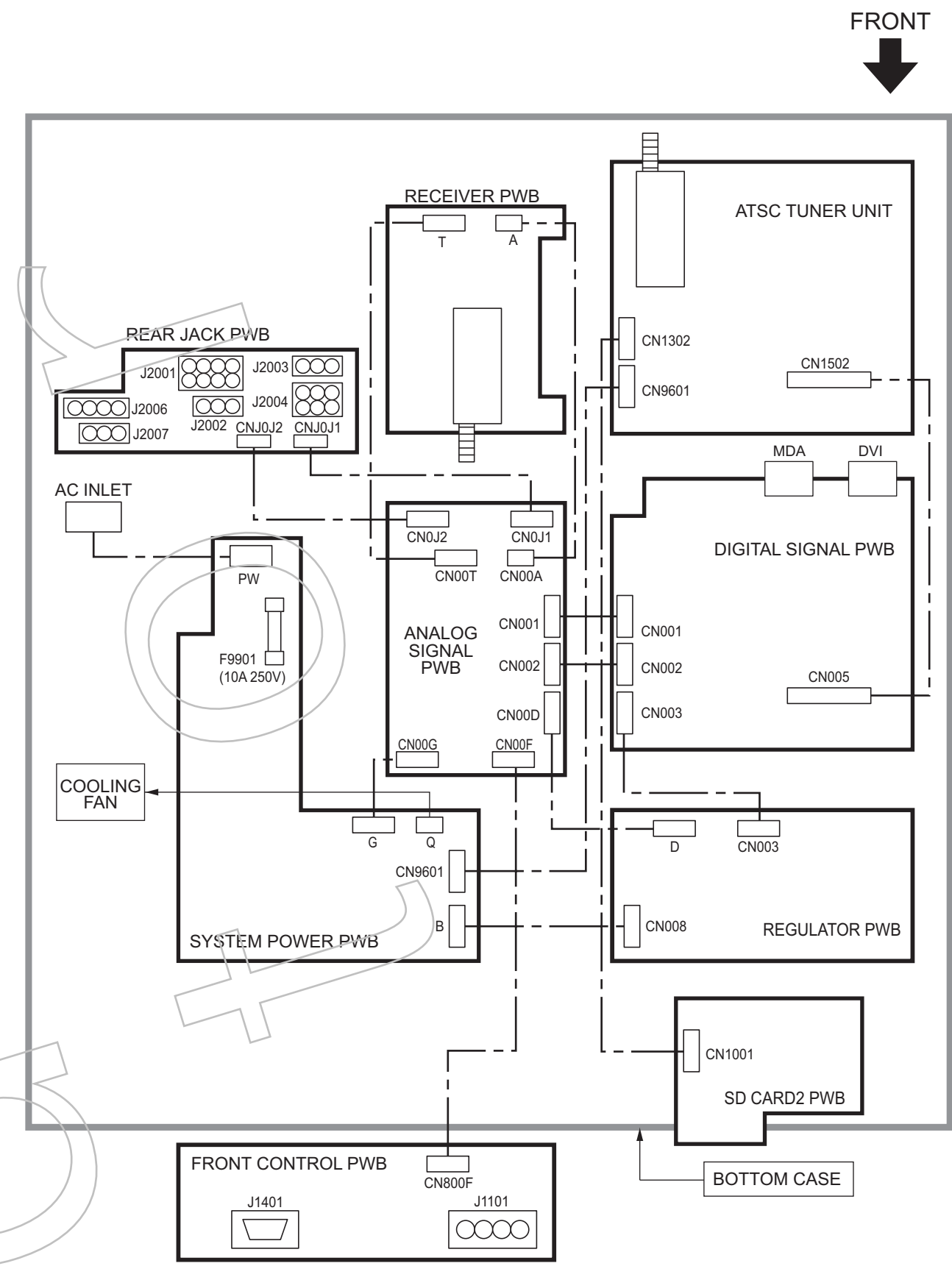


WIRING & MAIN PARTS LOCATION [PD-50X795]

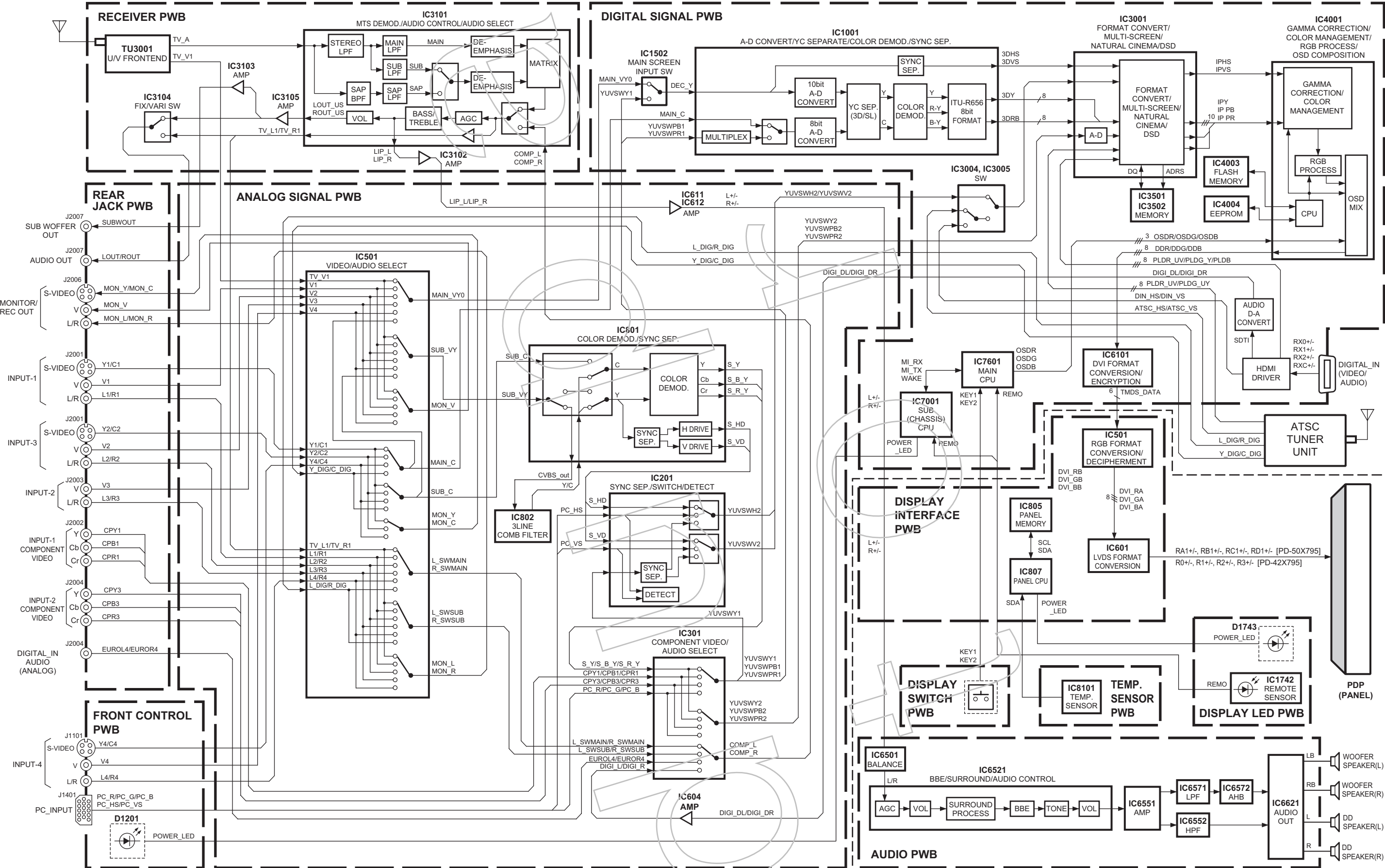
[DISPLAY UNIT]



[RECEIVER UNIT]



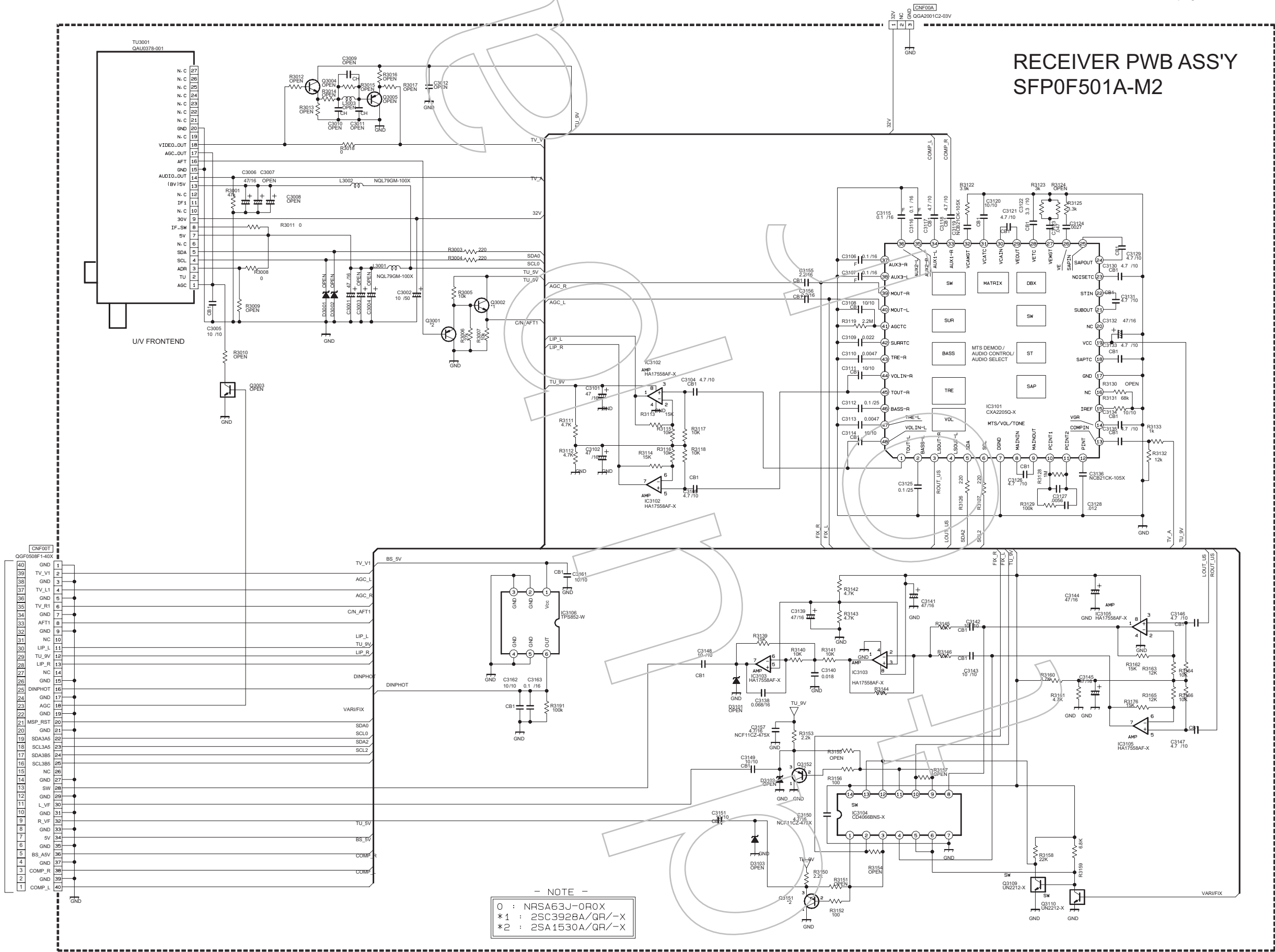
BLOCK DIAGRAM



CIRCUIT DIAGRAMS [RECEIVER UNIT]  
RECEIVER PWB CIRCUIT DIAGRAM SHEET1

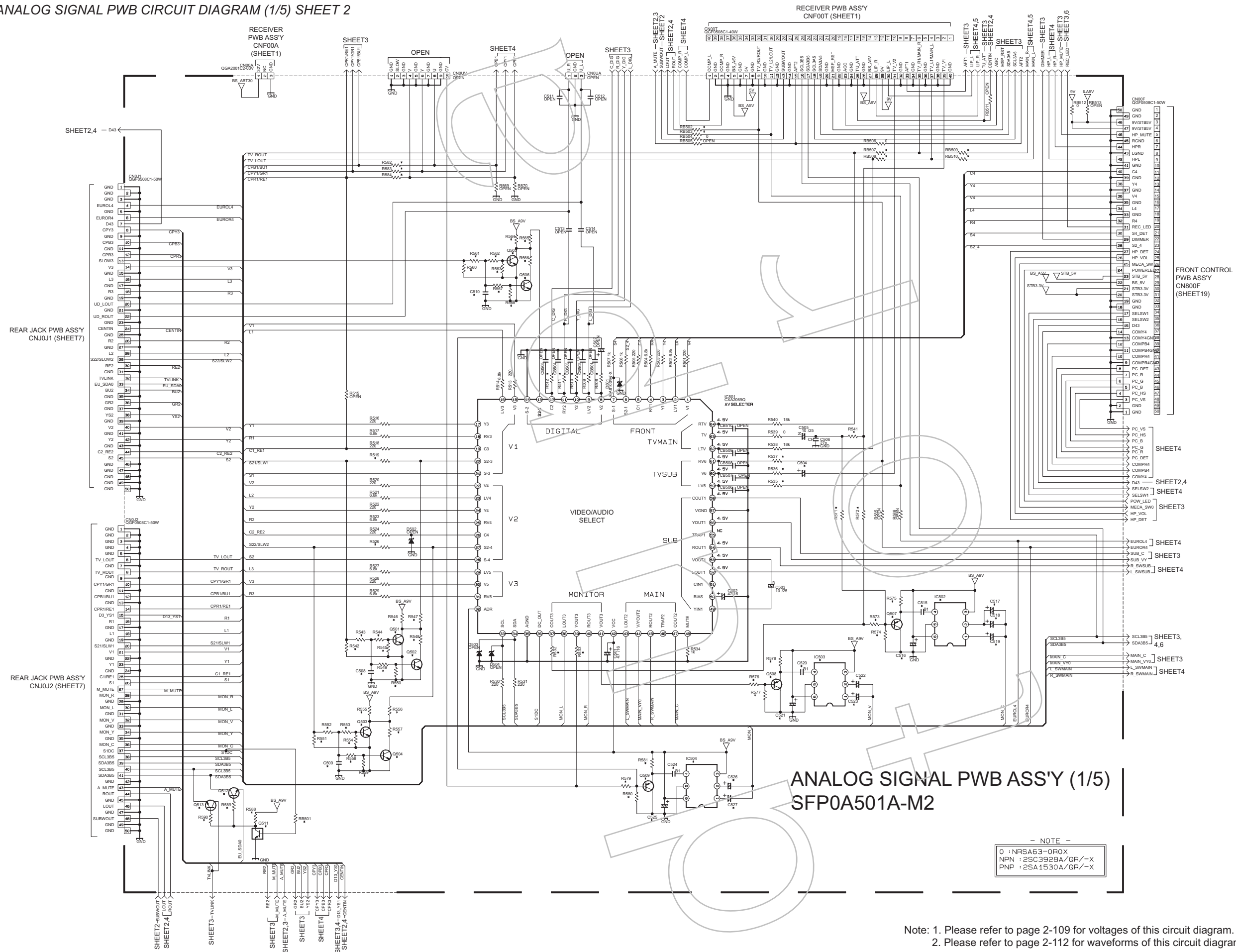
Note: 1. Please refer to page 2-109 for voltages of this circuit diagram.  
2. Please refer to page 2-112 for waveforms of this circuit diagram.

ANALOG SIGNAL  
PWB ASS'Y (1/5)  
CN00T (SHEET2)





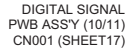
## ANALOG SIGNAL PWB CIRCUIT DIAGRAM (1/5) SHEET 2



| NOTE      | DIFFERENCE LIST |             |             |             |            | US<br>SEPARATE |
|-----------|-----------------|-------------|-------------|-------------|------------|----------------|
|           | JPN             | US          | EU          | ASIA        | etc.       |                |
| ASSY. NO. | SFP-04-010A     | SFP-04-050A | SFP-04-080A | SFP-04-030A | 1A         | SFP-04-050A    |
|           | OLL00510E       | OLL00510E   | OLL00510E   | OLL00510E   | OLL00510E  | OLL00510E      |
| C504      | 10/05           | OPEN        | OPEN        | OPEN        | OPEN       | OPEN           |
| C508      | OPEN            | OPEN        | 0.001       | OPEN        | OPEN       | OPEN           |
| C509      | OPEN            | OPEN        | 0.001       | OPEN        | OPEN       | OPEN           |
| C510      | OPEN            | OPEN        | 0.001       | OPEN        | OPEN       | OPEN           |
| C511      | 1/16            | OPEN        | 1/16        | 1/16        | OPEN       | 1/16           |
| C516      | 10/16           | OPEN        | 10/16       | OPEN        | OPEN       | 10/16          |
| C517      | 100/10          | OPEN        | 100/10      | OPEN        | OPEN       | 100/10         |
| C518      | OPEN            | OPEN        | OPEN        | OPEN        | OPEN       | OPEN           |
| C519      | 10/8            | OPEN        | 10/8        | OPEN        | OPEN       | 10/8           |
| C520      | 1/16            | OPEN        | 1/16        | 1/16        | 1/16       | 1/16           |
| C521      | 10/16           | OPEN        | 10/16       | 10/16       | 10/16      | 10/16          |
| C522      | 10/10           | OPEN        | 100/10      | 100/10      | 100/10     | 100/10         |
| C523      | 10/16           | OPEN        | 10/16       | 10/16       | 10/16      | 10/16          |
| C524      | 1/16            | OPEN        | OPEN        | OPEN        | OPEN       | 1/16           |
| C525      | 10/16           | OPEN        | OPEN        | OPEN        | OPEN       | 10/16          |
| C526      | 100/10          | OPEN        | OPEN        | OPEN        | OPEN       | 100/10         |
| C527      | 10/16           | OPEN        | OPEN        | OPEN        | OPEN       | 10/16          |
| IC503     | MM15100N-X      | OPEN        | MM15100N-X  | OPEN        | MM15100N-X | MM15100N-X     |
| IC504     | MM15100N-X      | OPEN        | OPEN        | OPEN        | MM15100N-X | MM15100N-X     |
| OS01      | OPEN            | OPEN        | NPX         | OPEN        | OPEN       | OPEN           |
| OS02      | OPEN            | OPEN        | NPX         | OPEN        | OPEN       | OPEN           |
| OS03      | OPEN            | OPEN        | NPX         | OPEN        | OPEN       | OPEN           |
| OS04      | OPEN            | OPEN        | NPX         | OPEN        | OPEN       | OPEN           |
| OS05      | OPEN            | OPEN        | NPX         | OPEN        | OPEN       | OPEN           |
| OS06      | OPEN            | OPEN        | NPX         | OPEN        | OPEN       | OPEN           |
| OS07      | PNP             | OPEN        | PNP         | OPEN        | PNP        | PNP            |
| OS08      | PNP             | OPEN        | PNP         | PNP         | PNP        | PNP            |
| OS09      | PNP             | OPEN        | PNP         | PNP         | PNP        | PNP            |
| OS11      | OPEN            | OPEN        | UNQ213X     | OPEN        | OPEN       | OPEN           |
| OS12      | OPEN            | OPEN        | NPX         | OPEN        | OPEN       | OPEN           |
| OS13      | OPEN            | OPEN        | NPX         | OPEN        | OPEN       | OPEN           |
| RS08      | OPEN            | OPEN        | OPEN        | OPEN        | OPEN       | OPEN           |
| RS09      | 6.8k            | OPEN        | OPEN        | OPEN        | 6.8k       | 6.8k           |
| RS10      | 0               | OPEN        | OPEN        | OPEN        | 0          | 0              |
| RS11      | 6.8k            | OPEN        | OPEN        | OPEN        | 6.8k       | 6.8k           |
| RS12      | 0               | OPEN        | OPEN        | OPEN        | 0          | 0              |
| RS13      | 0               | OPEN        | OPEN        | OPEN        | 0          | 0              |
| RS14      | 0               | OPEN        | OPEN        | OPEN        | 0          | 0              |
| RS15      | 0               | OPEN        | OPEN        | OPEN        | 0          | 0              |
| RS16      | 0               | OPEN        | OPEN        | OPEN        | 0          | 0              |
| RS17      | 1k              | OPEN        | MM15100N-X  | OPEN        | OPEN       | OPEN           |
| RS41      | 0               | 0           | OPEN        | OPEN        | 0          | 0              |
| RS42      | OPEN            | OPEN        | 22k         | OPEN        | OPEN       | OPEN           |
| RS43      | OPEN            | OPEN        | 47k         | OPEN        | OPEN       | OPEN           |
| RS44      | OPEN            | OPEN        | 82k         | OPEN        | OPEN       | OPEN           |
| RS45      | OPEN            | OPEN        | 15k         | OPEN        | OPEN       | OPEN           |
| RS46      | OPEN            | OPEN        | 33k         | OPEN        | OPEN       | OPEN           |
| RS47      | OPEN            | OPEN        | 22k         | OPEN        | OPEN       | OPEN           |
| RS48      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS49      | OPEN            | OPEN        | 47k         | OPEN        | OPEN       | OPEN           |
| RS50      | OPEN            | OPEN        | 33k         | OPEN        | OPEN       | OPEN           |
| RS51      | OPEN            | OPEN        | 22k         | OPEN        | OPEN       | OPEN           |
| RS52      | OPEN            | OPEN        | 47k         | OPEN        | OPEN       | OPEN           |
| RS53      | OPEN            | OPEN        | 62k         | OPEN        | OPEN       | OPEN           |
| RS54      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS55      | OPEN            | OPEN        | 33k         | OPEN        | OPEN       | OPEN           |
| RS56      | OPEN            | OPEN        | 22k         | OPEN        | OPEN       | OPEN           |
| RS57      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS58      | OPEN            | OPEN        | 47k         | OPEN        | OPEN       | OPEN           |
| RS59      | OPEN            | OPEN        | 27k         | OPEN        | OPEN       | OPEN           |
| RS60      | OPEN            | OPEN        | 22k         | OPEN        | OPEN       | OPEN           |
| RS61      | OPEN            | OPEN        | 47k         | OPEN        | OPEN       | OPEN           |
| RS62      | OPEN            | OPEN        | 82k         | OPEN        | OPEN       | OPEN           |
| RS63      | OPEN            | OPEN        | 15k         | OPEN        | OPEN       | OPEN           |
| RS64      | OPEN            | OPEN        | 33k         | OPEN        | OPEN       | OPEN           |
| RS65      | OPEN            | OPEN        | 22k         | OPEN        | OPEN       | OPEN           |
| RS66      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS67      | OPEN            | OPEN        | 27k         | OPEN        | OPEN       | OPEN           |
| RS68      | OPEN            | OPEN        | 27k         | OPEN        | OPEN       | OPEN           |
| RS71      | OPEN            | OPEN        | 0           | 0           | OPEN       | OPEN           |
| RS72      | OPEN            | OPEN        | 0           | 0           | OPEN       | OPEN           |
| RS73      | OPEN            | OPEN        | 2.2k        | 2.2k        |            |                |
| RS74      | 2.2k            | OPEN        | 2.2k        | 2.2k        |            |                |
| RS75      | 5.6k            | OPEN        | 5.6k        | OPEN        | 5.6k       | 5.6k           |
| RS76      | 2.2k            | OPEN        | 2.2k        | 2.2k        |            |                |
| RS77      | 2.2k            | OPEN        | 2.2k        | 2.2k        |            |                |
| RS78      | 5.6k            | OPEN        | 5.6k        | 5.6k        | 5.6k       | 5.6k           |
| RS79      | 2.2k            | OPEN        | OPEN        | OPEN        | 2.2k       | 2.2k           |
| RS80      | 2.2k            | OPEN        | OPEN        | OPEN        | 2.2k       | 2.2k           |
| RS81      | 5.6k            | OPEN        | OPEN        | OPEN        | 5.6k       | 5.6k           |
| RS82      | 0               | 0           | OPEN        | 0           | 0          | 0              |
| RS83      | 0               | 0           | OPEN        | 0           | 0          | 0              |
| RS84      | 0               | 0           | OPEN        | 0           | 0          | 0              |
| RS85      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS86      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS87      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS88      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS89      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS90      | OPEN            | OPEN        | 10k         | OPEN        | OPEN       | OPEN           |
| RS902     | OPEN            | 0           | OPEN        | OPEN        | 0          | 0              |
| RS903     | OPEN            | 0           | OPEN        | OPEN        | 0          | 0              |
| RS907     | 0               | OPEN        | 0           | 0           | OPEN       | OPEN           |
| RS908     | 0               | OPEN        | 0           | 0           | OPEN       | OPEN           |
| RS909     | OPEN            | 0           | OPEN        | OPEN        | 0          | 0              |
| RS910     | OPEN            | 0           | OPEN        | OPEN        | 0          | 0              |
| RS901     | OPEN            | OPEN        | 0           | OPEN        | OPEN       | OPEN           |

Note: 1. Please refer to page 2-109 for voltages of this circuit diagram.  
2. Please refer to page 2-112 for waveforms of this circuit diagram.

## ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET 3



| * DIFFERENCE LIST |           |           |            |           |             |  |
|-------------------|-----------|-----------|------------|-----------|-------------|--|
| NOTE              | JPN       | US        | EU         | ASIA etc  | US SEPARATE |  |
| ASBY NO.          | SFP-0401A | SFP-0403B | SFP-04 01A | SFP-0401A | SFP-0401A   |  |
|                   | OLL050506 | OLL050506 | OLL050506  | OLL050506 | OLL050506   |  |
| C403              | 4716      | OPEN      | OPEN       | OPEN      | 4716        |  |
| C404              | 0.116     | OPEN      | OPEN       | OPEN      | 0.116       |  |
| C405              | NOBITICK  | OPEN      | OPEN       | OPEN      | NOBITICK    |  |
| C406              | NOBITICK  | OPEN      | OPEN       | OPEN      | NOBITICK    |  |
| C407              | OPEN      | OPEN      | 0.1        | OPEN      | OPEN        |  |
| C408              | OPEN      | 0.1       | 0.1        | > 27A     | OPEN        |  |
| C412              | OPEN      | OPEN      | 0.1        | OPEN      | OPEN        |  |
| C413              | OPEN      | OPEN      | 0.1        | OPEN      | OPEN        |  |
| C416              | OPEN      | OPEN      | 0.1        | OPEN      | OPEN        |  |
| C417              | OPEN      | OPEN      | OPEN       | OPEN      | OPEN        |  |
| C418              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C430              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C431              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C432              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C433              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C434              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C435              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C436              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C437              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C438              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C439              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C440              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C441              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C442              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C443              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C444              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C445              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C446              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C447              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C448              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C449              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C450              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C451              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C452              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C453              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C454              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C455              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C456              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C457              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C458              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C459              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C460              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C461              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C462              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C463              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C464              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C465              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C466              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C467              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C468              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C469              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C470              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C471              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C472              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C473              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C474              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C475              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C476              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C477              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C478              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C479              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C480              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C481              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C482              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C483              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C484              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C492              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C493              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C494              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C495              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C497              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C498              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C499              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C500              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C501              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C503              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C505              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C506              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C507              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C508              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C509              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C510              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C511              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C512              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C513              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C514              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C515              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C516              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C517              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C518              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C519              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C520              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C521              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C522              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C523              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C524              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C525              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C526              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C527              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C528              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C529              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C530              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C531              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C532              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C533              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C534              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C538              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C539              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C540              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C541              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C542              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C543              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C544              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C545              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C546              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C547              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C548              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C553              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C554              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C555              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C573              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C574              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C575              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C576              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C577              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C578              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C579              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C580              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C581              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C583              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C584              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C585              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C586              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C587              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C588              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C593              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C594              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C595              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C651              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C669              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C670              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C672              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C677              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C682              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C683              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C684              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C685              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C687              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
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| C692              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C693              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C694              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C695              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C696              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C697              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C698              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C699              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C700              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C701              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C702              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C703              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C704              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C705              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C706              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
| C707              | OPEN      | OPEN      | 0          | OPEN      | OPEN        |  |
|                   |           |           |            |           |             |  |

```

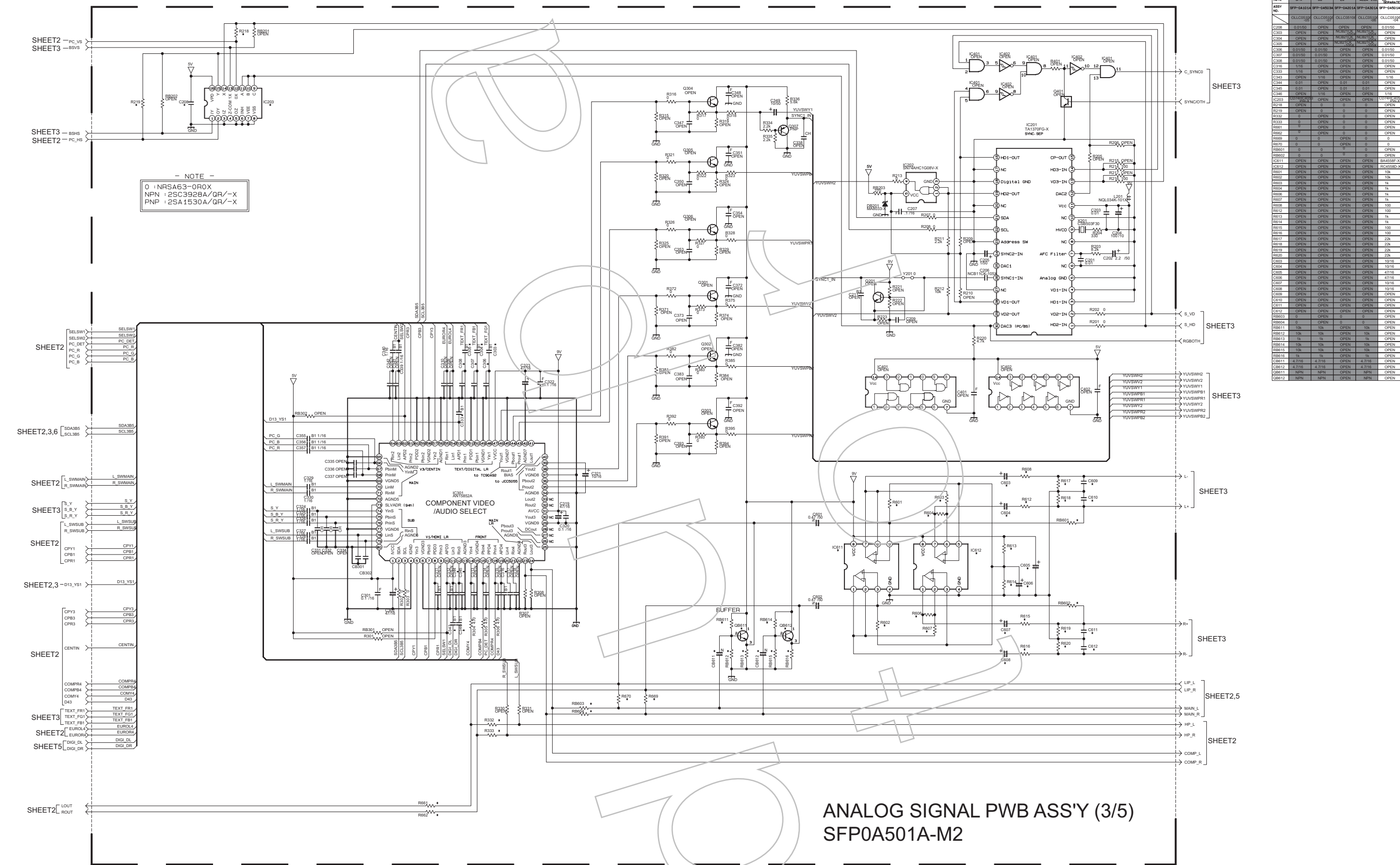
- NOTE -
O :NRSA63-0R0X
NPN :2SC3928A/QR/-X
PNP :2SA1530A/QR/-X
L6R8 :NQL092K-6R8X
L27 :NQL092M-270X
L22 :NQL914M-220X
L100 :NQL914K-101X
CORE3 :NQR0413-003X

```

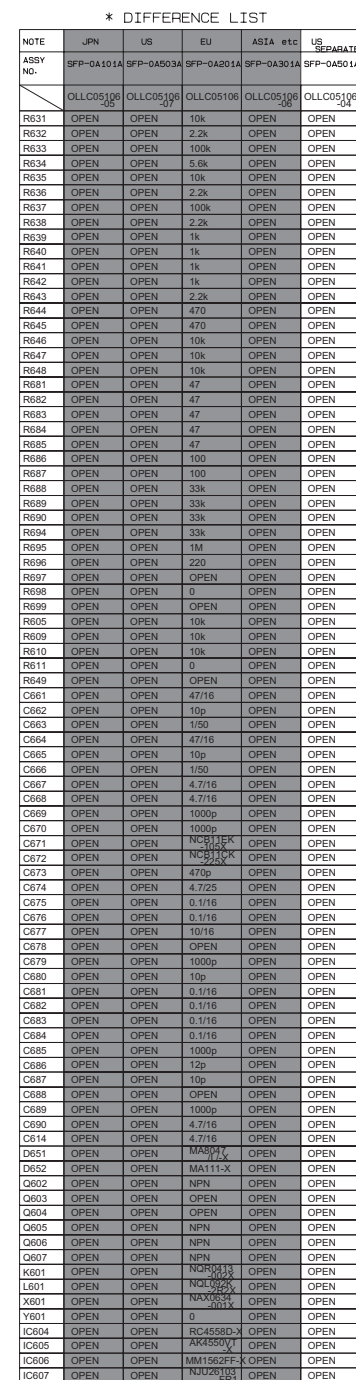
ANALOG SIGNAL PWB ASS'Y (2/5)  
SFP0A501A-M2

Note: 1. Please refer to page 2-109 for voltages of this circuit diagram.  
2. Please refer to page 2-112 for waveforms of this circuit diagram.

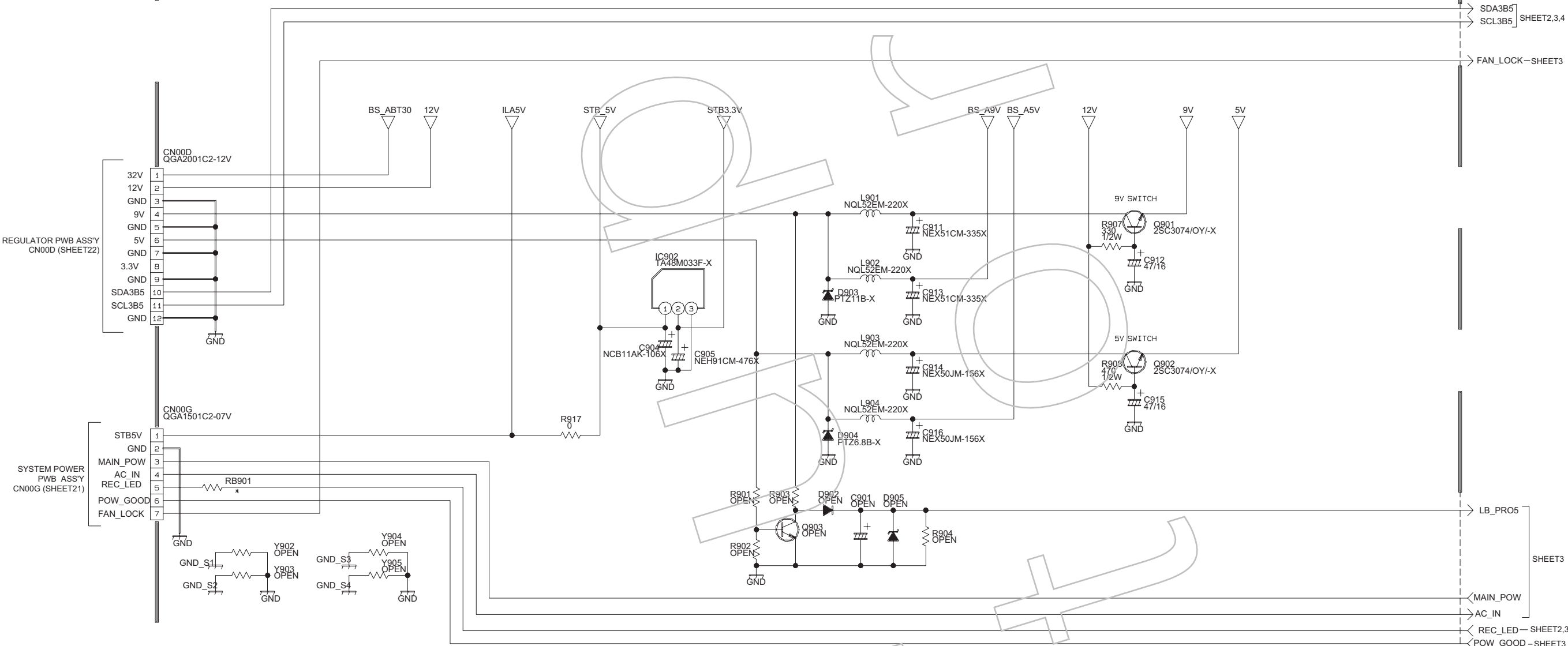




Note: 1. Please refer to page 2-109 for voltages of this circuit diagram.  
2. Please refer to page 2-112 for waveforms of this circuit diagram.



ANALOG SIGNAL PWB ASS'Y (5/5)  
SFP0A501A-M2



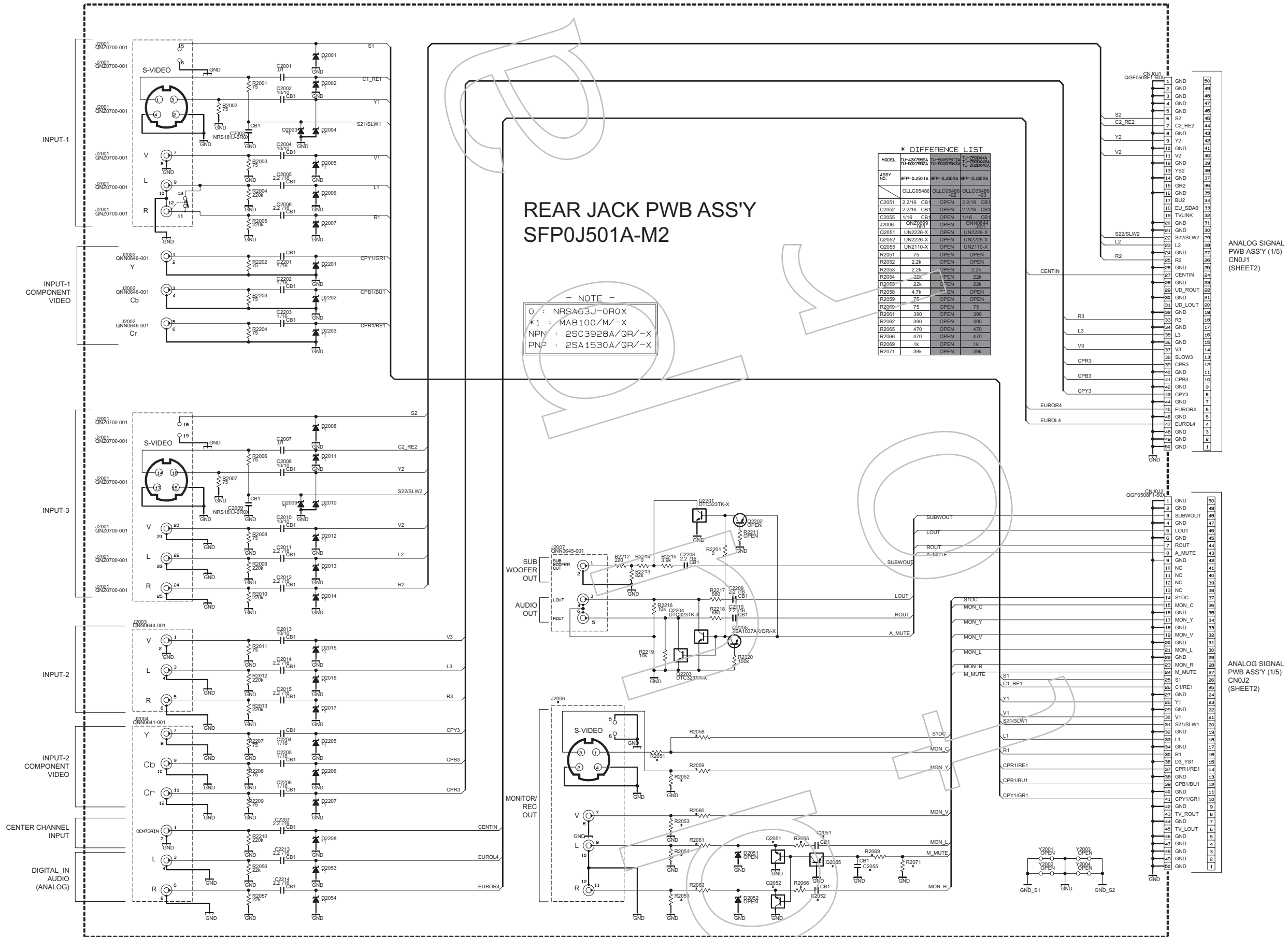
\* DIFFERENCE LIST

| NOTE     | JPN          | US           | EU         | ASIA etc     | US SEPARATE  |
|----------|--------------|--------------|------------|--------------|--------------|
| ASSY NO. | SFP-0A101A   | SFP-0A503A   | SFP-0A201A | SFP-0A301A   | SFP-0A501A   |
|          | OLLC05106-05 | OLLC05106-07 | OLLC05106  | OLLC05106-06 | OLLC05106-04 |
| RB901    | 0            | OPEN         | OPEN       | OPEN         | OPEN         |

Note: Please refer to page 2-109 for voltages of this circuit diagram.

- NOTE -

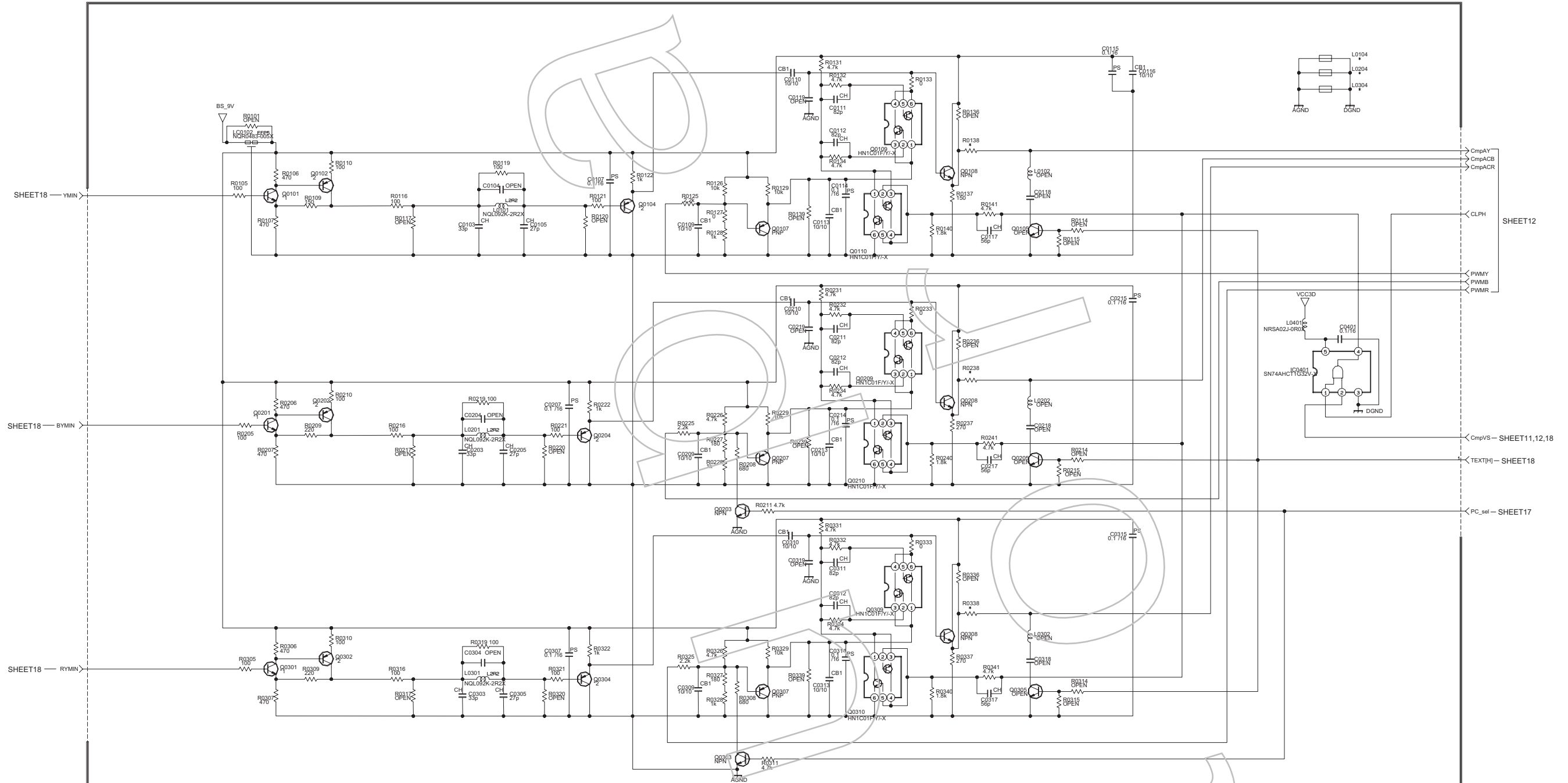
0 : NRSA63-0R0X  
\*1 : NQR0415-005X



Note: Please refer to page 2-109 for voltages of this circuit diagram.





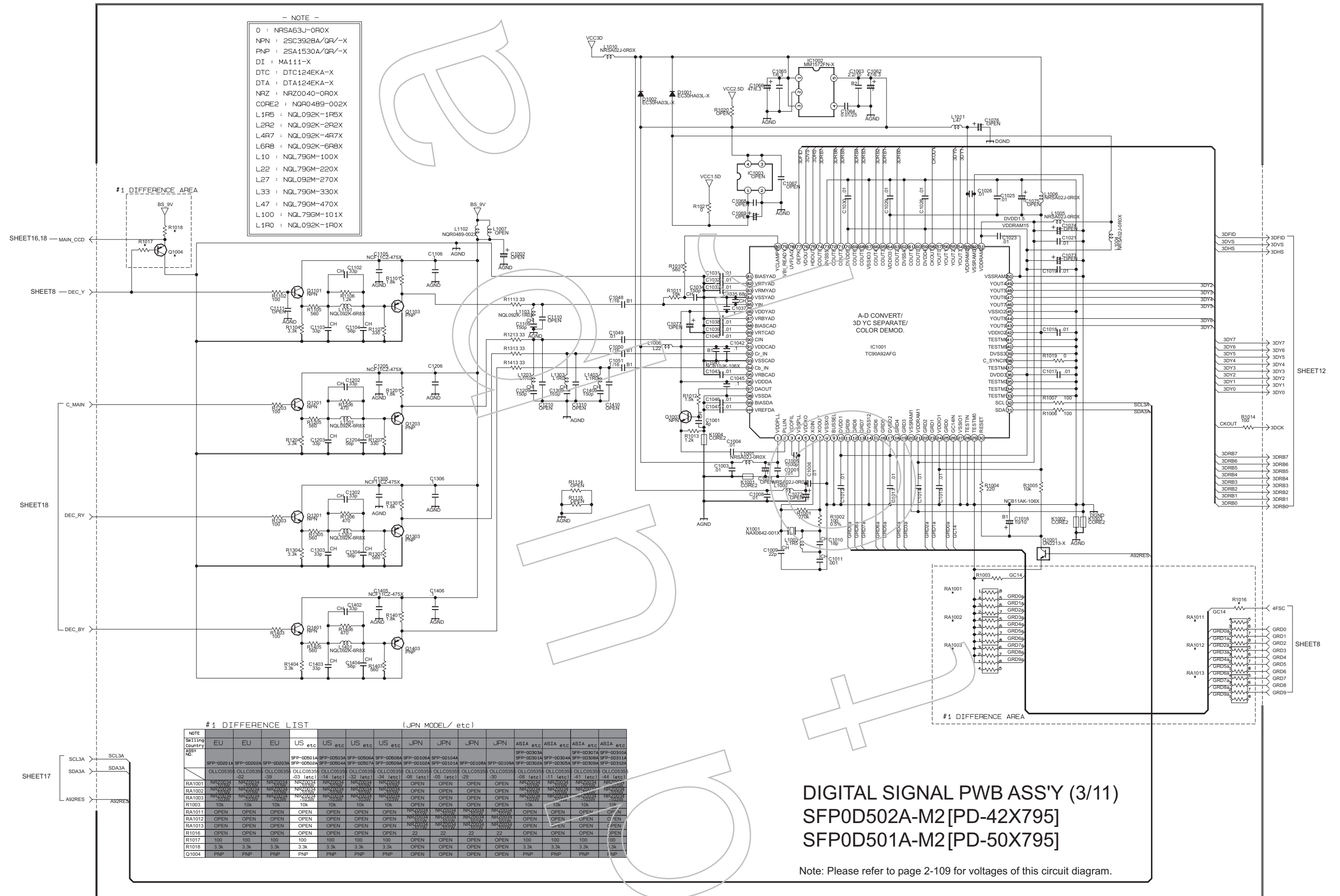
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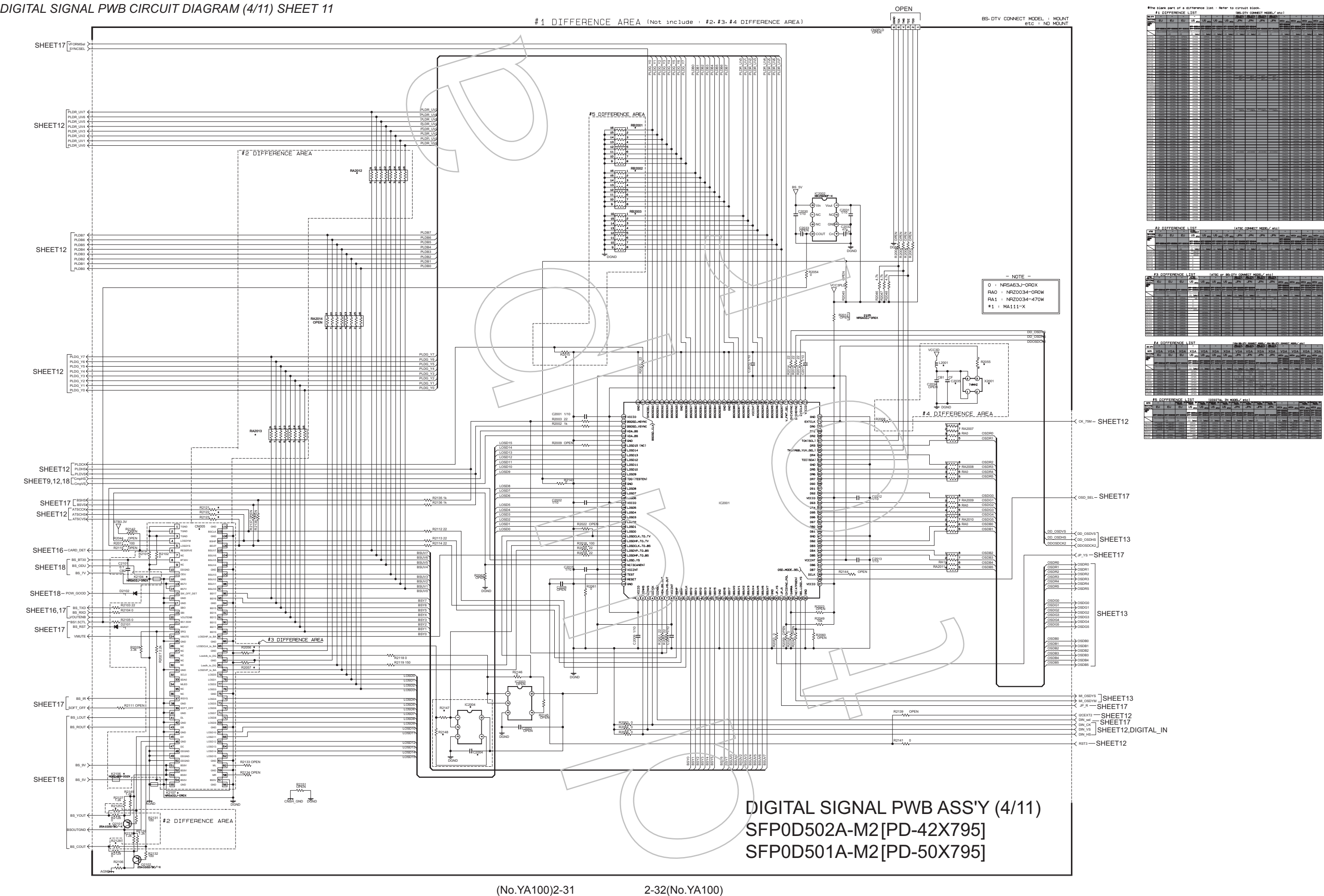
DIGITAL SIGNAL PWB ASS'Y (2/11)  
SFP0D502A-M2[PD-42X795]  
SFP0D501A-M2[PD-50X795]

- NOTE -

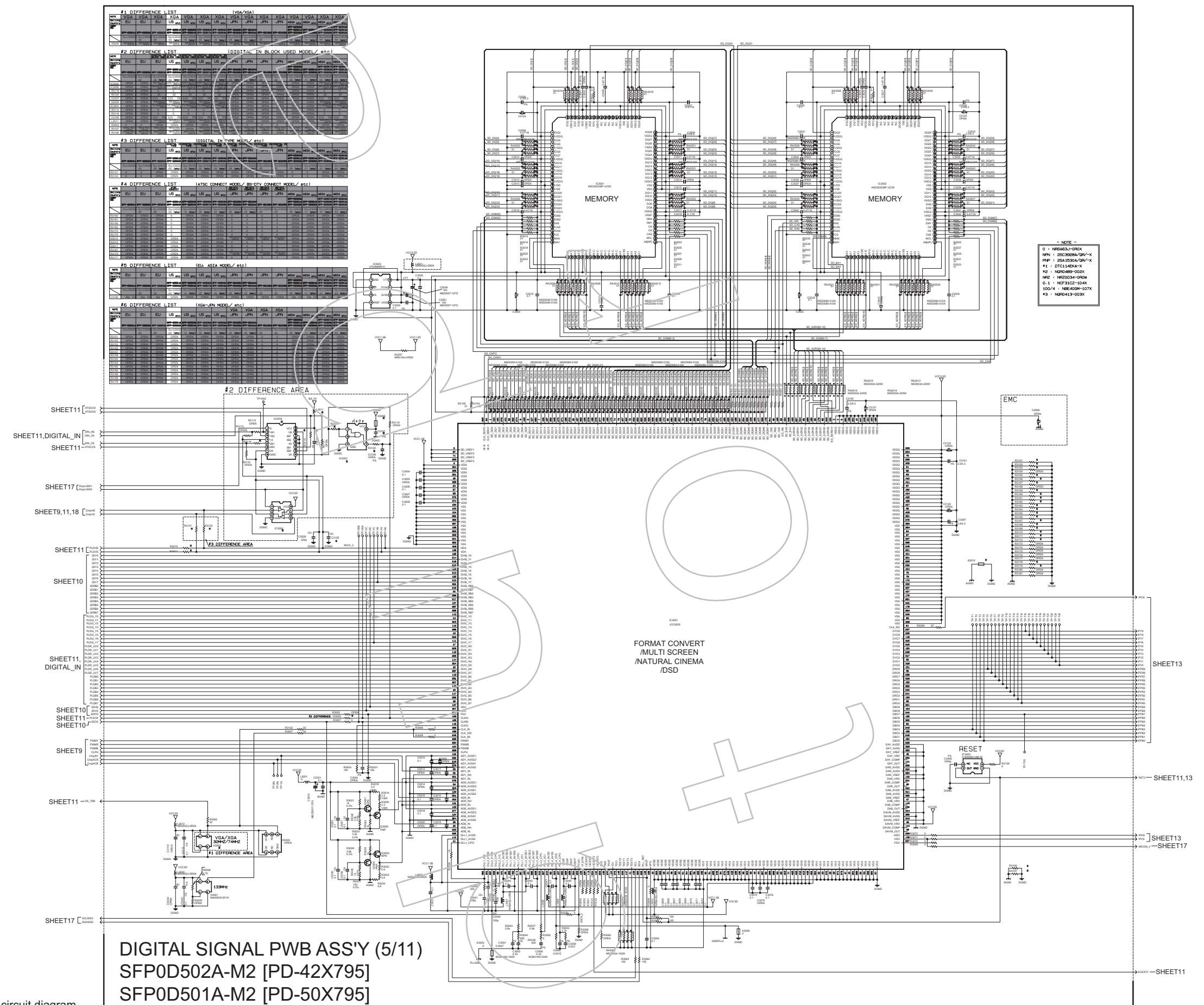
0 : NRSA63J-0R0X  
NPN : 2SC3928A/QR/-X  
PNP : 2SA1530A/QR/-X  
\*1 : 2SC3837K/NP/-X

Note: Please refer to page 2-109 for voltages of this circuit diagram.

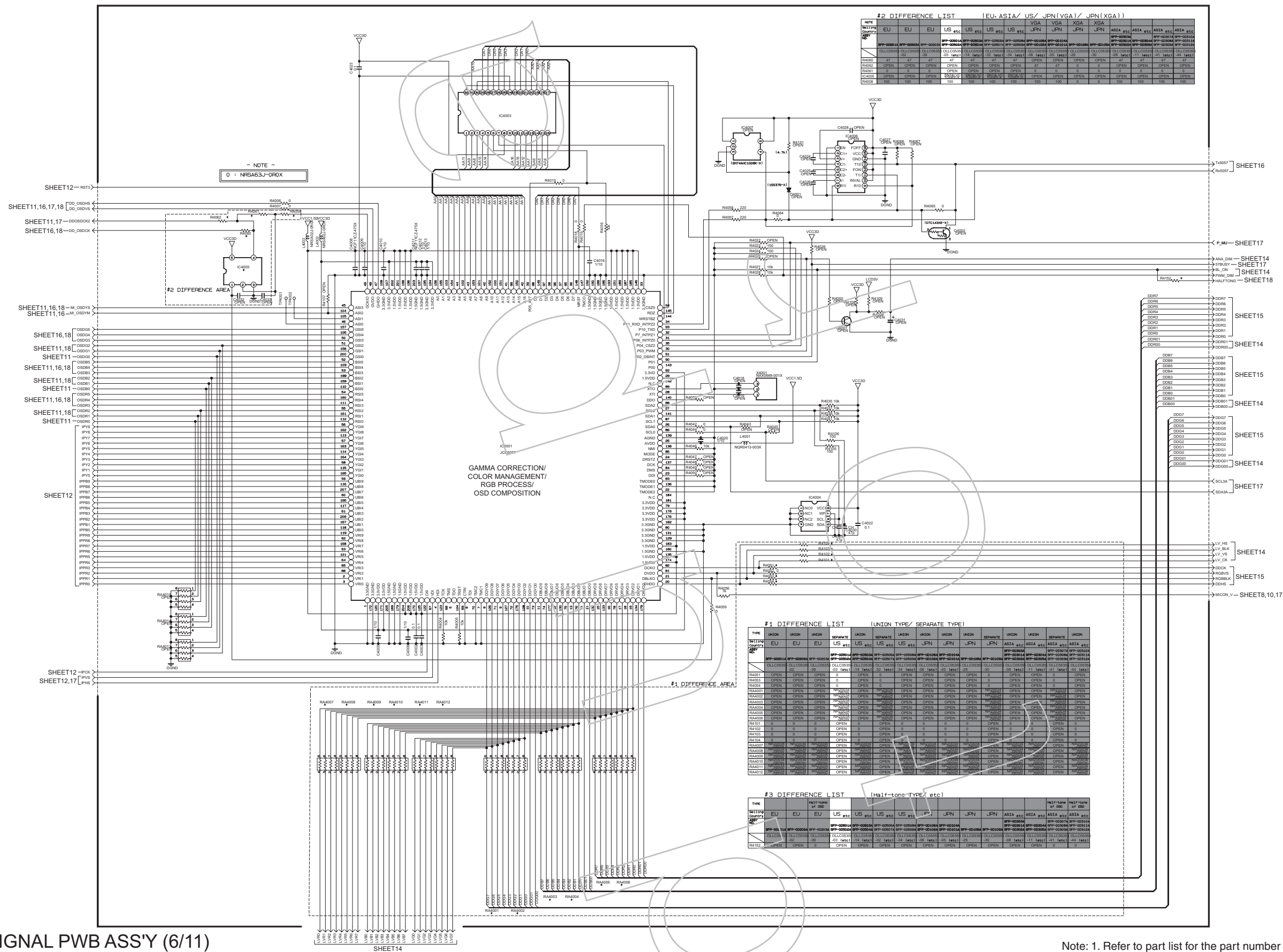








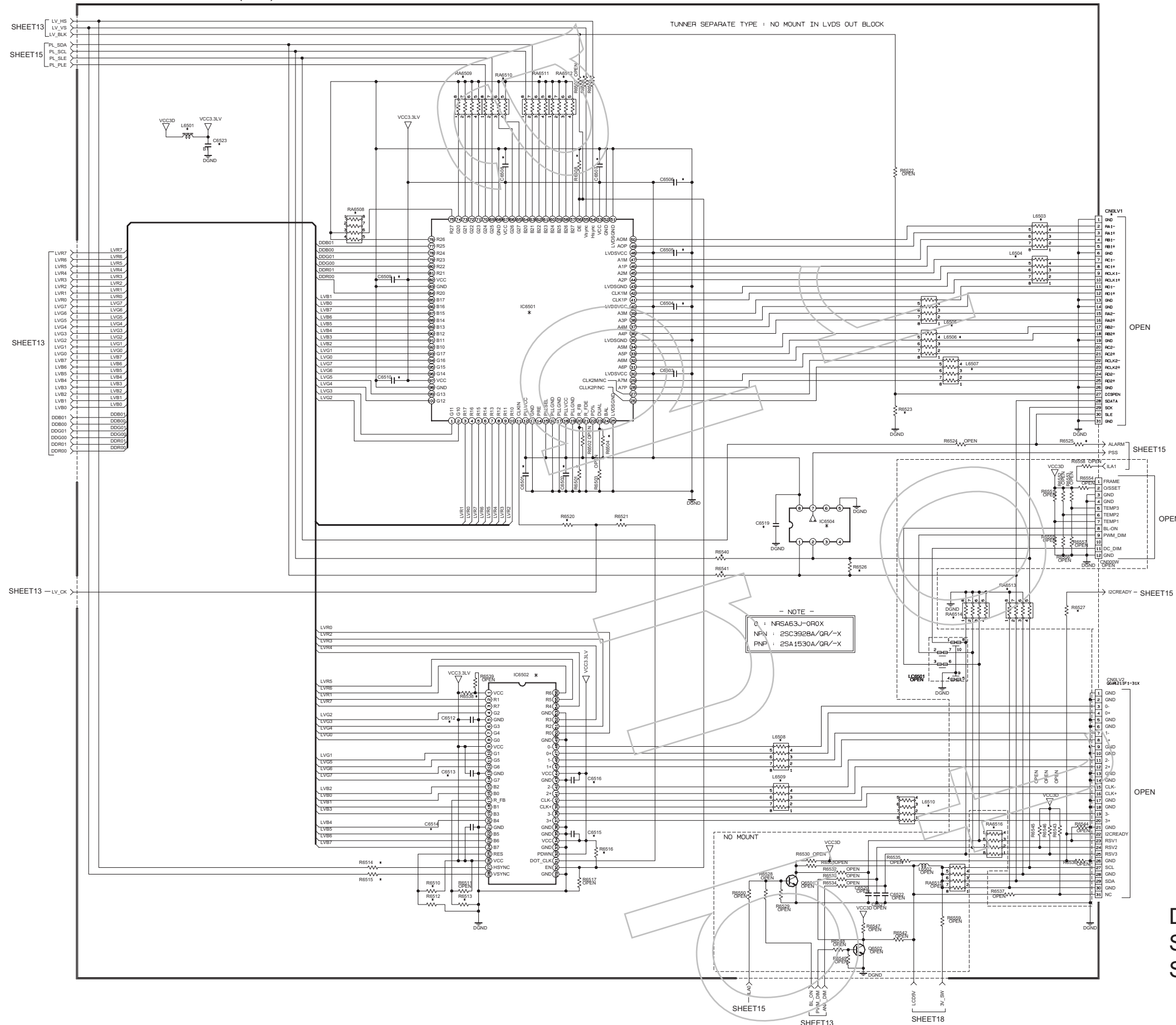
Note: Please refer to page 2-109 for voltages of this circuit diagram.



DIGITAL SIGNAL PWB ASS'Y (6/11)  
SFP0D502A-M2 [PD-42X795]  
SFP0D501A-M2 [PD-50X795]

Note: 1. Refer to part list for the part number of IC4003 and IC4004.  
2. Refer to page 2-109 for voltages of this circuit diagram.

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (7/11) SHEET 14

[illegible]

DIGITAL SIGNAL PWB ASS'Y (7/11)  
SFP0D502A-M2 [PD-42X795]  
SFP0D501A-M2 [PD-50X795]



DIGITAL SIGNAL PWB ASS'Y (8/11)  
SFP0D502A-M2 [PD-42X795]  
SFP0D501A-M2 [PD-50X795]

NOTE  
0 : NRB6A3-GRX  
NPN : 2SC3928A/GR-X  
PNP : 2SA1530A/GR-X  
NR222 : NR20034-220W  
\*1 : NGR0389-001X  
\*2 : BAV99L-X  
\*3 : 2SK1374-X  
\*4 : NA111-X  
\*5 : 1SS355-X

| #3 DIFFERENCE LIST |            | (SEPARATE TYPE/ NEC PANEL/ etc PANEL) |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|--------------------|------------|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TYPE               | UNION      | UNION                                 | UNION      | SEPARATE   | UNION      | SEPARATE   | UNION      | UNION      | UNION      | UNION      | SEPARATE   | UNION      | UNION      | SEPARATE   | UNION      | UNION      | UNION      |
| Sheet              | etc PANEL  | etc PANEL                             | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  | etc PANEL  |
| Country            | EU         | EU                                    | EU         | US etc     | US etc     | US etc     | US etc     | JPN        | JPN        | JPN        | JPN        | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   |
| Part               | SFP-00001A | SFP-00003A                            | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A |
| CLL00033           | CLL00033   | CLL00033                              | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   |
| R6048              | 10k        | 10k                                   | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        |
| R6053              | OPEN       | 0                                     | 0          | OPEN       | OPEN       | OPEN       | 0          | 0          | OPEN       | 0          | OPEN       | OPEN       | 0          | OPEN       | 0          | OPEN       | 0          |

SHEET17  
KEY\_1  
KEY\_2  
REMOCON  
ONTIM  
PSS  
ADRIAM  
ADRIAP  
ADLIAM  
ADLIAP

SHEET16,  
17,18  
REMO  
KEY2  
MECA\_SW

SHEET17  
POP\_RX  
POP\_TX  
SHEET13  
ROBVS  
DDHS  
SHEET17-MDR\_CON

SHEET13  
DDG3  
DDG2  
DDG1  
DDG0  
DDG7  
DDG6  
DDG5  
DDG4  
DDC7  
DDC6  
DDC5  
DDC4  
DDC3  
DDC2  
DDC1  
DDC0

SHEET17  
HOTPLUG  
DVI\_RST  
SHEET13-ROBKLK

SHEET17  
SCL\_DVI  
SDA\_DVI

#2 DIFFERENCE AREA  
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TUNNER SEPARATE : MOUNT

#1 DIFFERENCE AREA  
TUNNER UNION : MOUNT  
TUNNER SEPARATE : NO MOUNT

OPEN

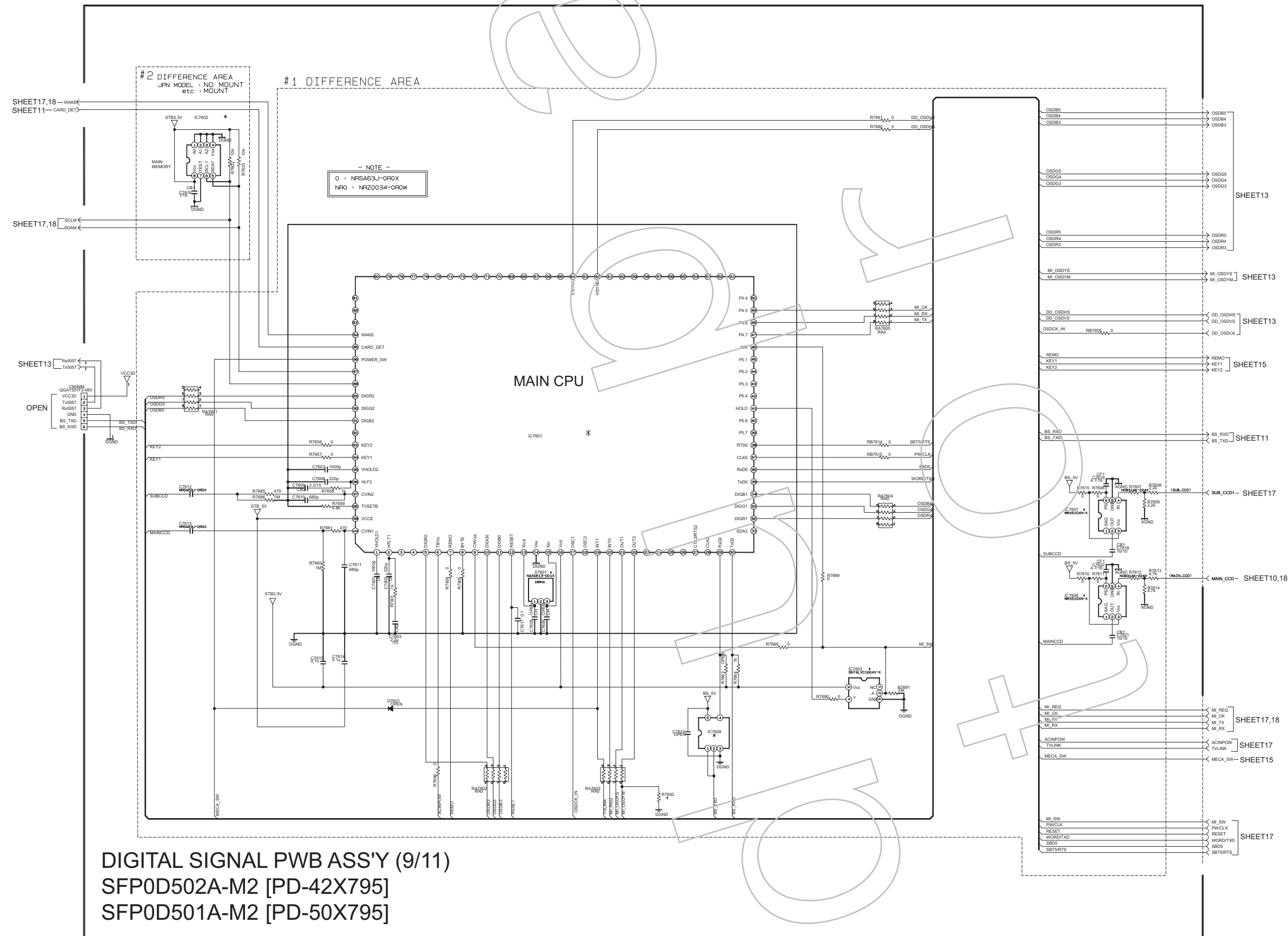
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DISPLAY INTERFACE  
PWB ASS'Y(1/3)  
CNMDR  
(SHEET23)

<DISPLAY UNIT>  
DISPLAY INTERFACE  
PWB ASS'Y(2/3)  
CNDVI  
(SHEET24)

| #1 DIFFERENCE LIST |            | (UNION TYPE/ SEPARATE TYPE) |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|--------------------|------------|-----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TYPE               | UNION      | UNION                       | UNION      | SEPARATE   | UNION      | SEPARATE   | UNION      | UNION      | UNION      | UNION      | SEPARATE   | UNION      | UNION      | SEPARATE   | UNION      | UNION      | UNION      |
| Sheet              | EU         | EU                          | EU         | US etc     | US etc     | US etc     | US etc     | JPN        | JPN        | JPN        | JPN        | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   |
| Part               | SFP-00001A | SFP-00003A                  | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A |
| CLL00033           | CLL00033   | CLL00033                    | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   |
| R6048              | 10k        | 10k                         | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        |
| R6053              | OPEN       | 0                           | 0          | OPEN       | OPEN       | OPEN       | 0          | 0          | OPEN       | 0          | OPEN       | OPEN       | 0          | OPEN       | 0          | OPEN       | 0          |

| #2 DIFFERENCE LIST |            | (UNION TYPE/ SEPARATE TYPE) |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|--------------------|------------|-----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TYPE               | UNION      | UNION                       | UNION      | SEPARATE   | UNION      | SEPARATE   | UNION      | UNION      | UNION      | UNION      | SEPARATE   | UNION      | UNION      | SEPARATE   | UNION      | UNION      | UNION      |
| Sheet              | EU         | EU                          | EU         | US etc     | US etc     | US etc     | US etc     | JPN        | JPN        | JPN        | JPN        | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   | ASIA etc   |
| Part               | SFP-00001A | SFP-00003A                  | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A | SFP-00003A |
| CLL00033           | CLL00033   | CLL00033                    | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   | CLL00033   |
| R6048              | 10k        | 10k                         | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        | 10k        |
| R6053              | OPEN       | 0                           | 0          | OPEN       | OPEN       | OPEN       | 0          | 0          | OPEN       | 0          | OPEN       | OPEN       | 0          | OPEN       | 0          | OPEN       | 0          |

Note: 1. Refer to part list for the part number of IC7602.  
2. Please refer to page 2-110 for voltages of this circuit diagram.  
3. Please refer to page 2-112 for waveforms of this circuit diagram.

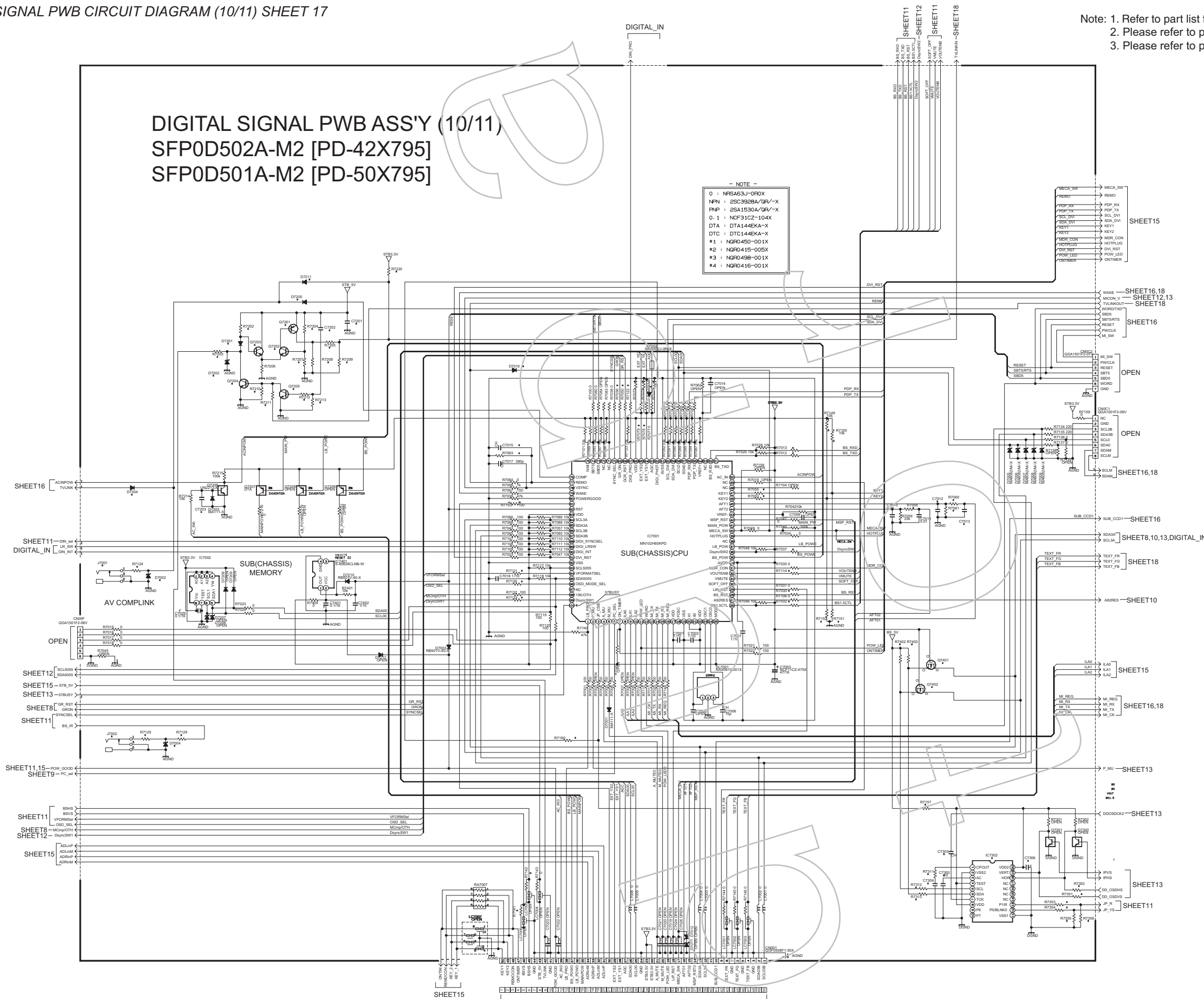
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DIGITAL SIGNAL PWB ASS'Y (10/11)  
SFP0D502A-M2 [PD-42X795]  
SFP0D501A-M2 [PD-50X795]

- NOTE -

|     |   |                |
|-----|---|----------------|
| 0   | : | NRSA63J-0R0X   |
| NPN | : | 2SC3928A/GR/-X |
| PNP | : | 2SA1530A/GR/-X |
| 0.1 | : | NCF31CZ-104X   |
| DTA | : | DTA144EKA-X    |
| DTC | : | DTC144EKA-X    |
| *1  | : | NGR0450-001X   |
| *2  | : | NGR0415-005X   |
| *3  | : | NGR0498-001X   |
| *4  | : | NGR0416-001X   |

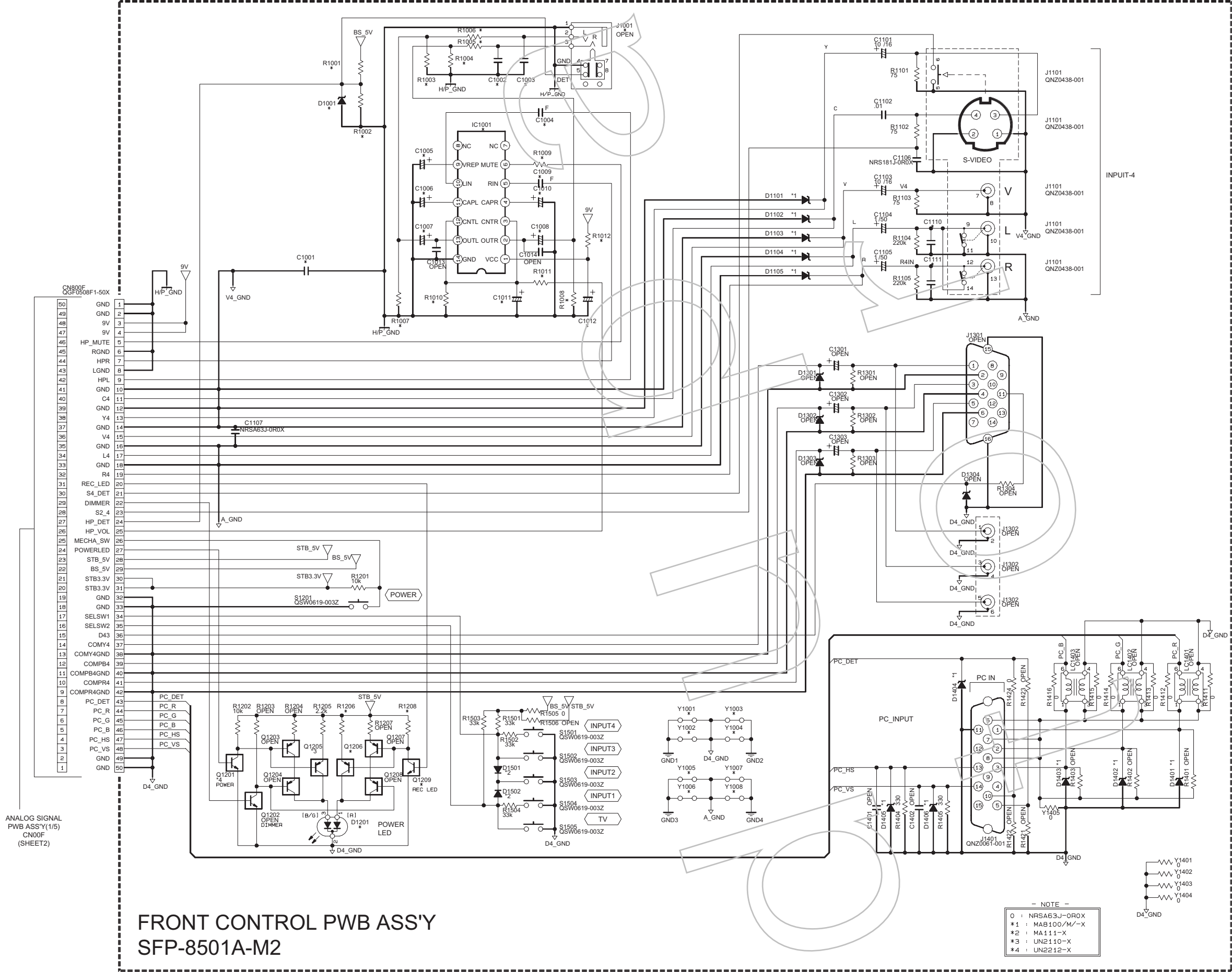
Note: 1. Refer to part list for the part number of IC7002.  
2. Please refer to page 2-110 for voltages of this circuit diagram.  
3. Please refer to page 2-112 for waveforms of this circuit diagram.

[illegible][illegible][illegible][illegible][illegible]

| B6 DIFFERENCE LIST |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                    | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
|                    | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 1                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 2                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 3                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 4                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 5                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 6                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 7                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 8                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 9                  | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 10                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 11                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 12                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 13                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 14                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 15                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 16                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 17                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 18                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 19                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 20                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 21                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 22                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 23                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 24                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 25                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 26                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 27                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 28                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 29                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 30                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 31                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 32                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 33                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 34                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 35                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 36                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |
| 37                 | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU | EU |

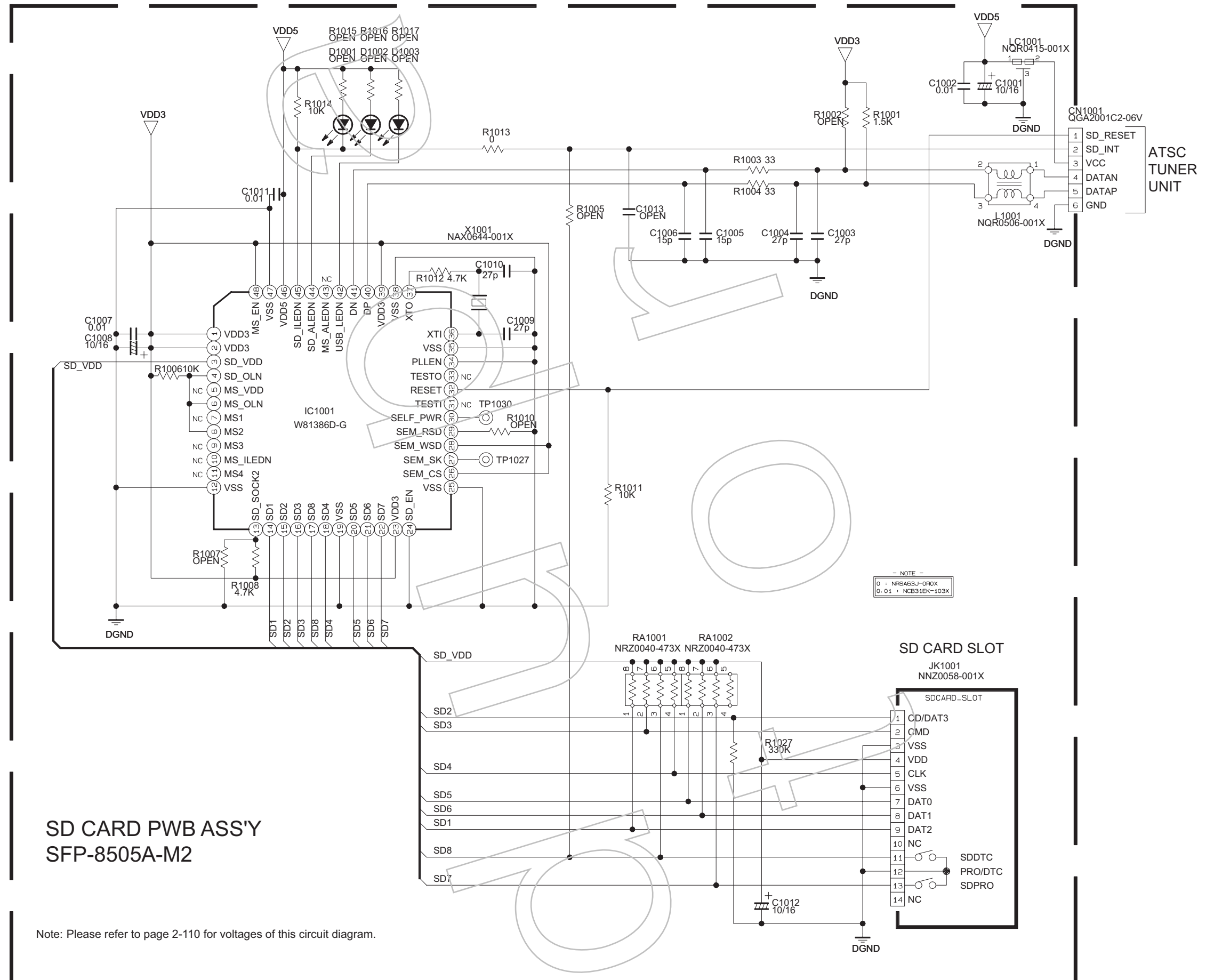


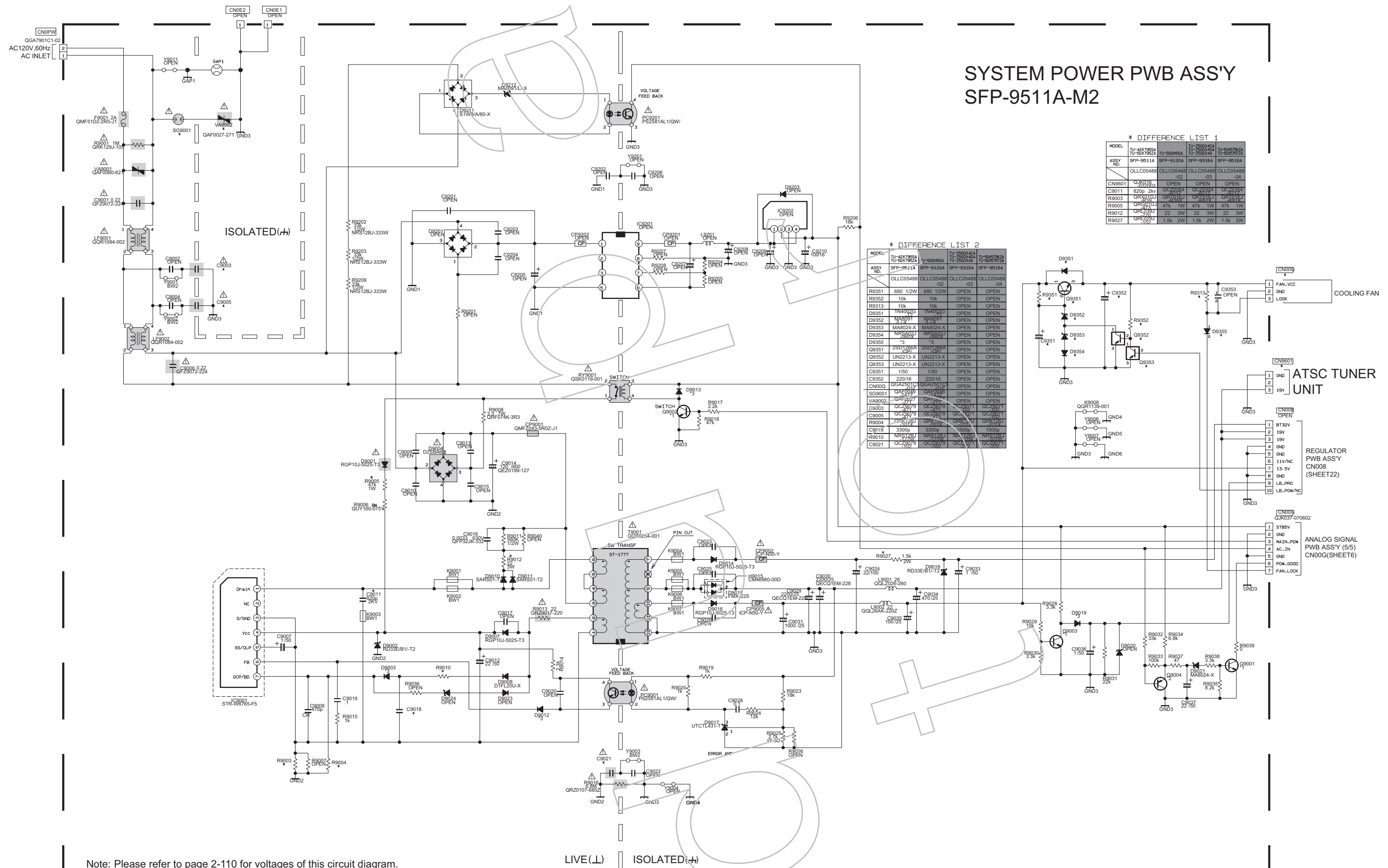
[illegible]



| * DIFFERENCE LIST |                            |              |              |  |
|-------------------|----------------------------|--------------|--------------|--|
| NOTE              | US                         | TAIWAN       | KOREA        | ASIA                                     |
| MODEL             | TU-50X795ZA<br>TU-42X795SA | TU-50X575TZA | TU-50X575KZA | TU-750DX4A<br>TU-750DX4SA<br>TU-750DX4CA |
| ASSY NO.          | SFP-8501A                  | SFP-8506A    | SFP-8510A    | SFP-8302A                                |
|                   | OLLCO5783                  | OLLCO5783-03 | OLLCO5783-05 | OLLCO5783-04                             |
| C1001             | NRSAB3J-OROX               | NRSAB3J-OROX | NRSAB3J-OROX | NRSAB3J-OROX                             |
| C1002             | OPEN                       | OPEN         | OPEN         | 0.1                                      |
| C1003             | OPEN                       | OPEN         | OPEN         | 0.1                                      |
| C1004             | OPEN                       | OPEN         | OPEN         | 1/10 F                                   |
| C1005             | OPEN                       | OPEN         | OPEN         | 10/16                                    |
| C1006             | OPEN                       | OPEN         | OPEN         | 1/50                                     |
| C1007             | OPEN                       | OPEN         | OPEN         | 100/10                                   |
| C1008             | OPEN                       | OPEN         | OPEN         | 100/10                                   |
| C1009             | OPEN                       | OPEN         | OPEN         | 1/10 F                                   |
| C1010             | OPEN                       | OPEN         | OPEN         | 1/50                                     |
| C1011             | OPEN                       | OPEN         | OPEN         | 1/50                                     |
| C1012             | OPEN                       | OPEN         | OPEN         | 100/10                                   |
| D1001             | OPEN                       | OPEN         | OPEN         | MA111-X                                  |
| D1002             | SMCUT2E16                  | SMCUT2E16    | SMCUT2E16    | SMCUT2E16                                |
| IC1001            | OPEN                       | OPEN         | OPEN         | NJM2777M-X                               |
| J1001             | OPEN                       | OPEN         | OPEN         | QNZ0438-001                              |
| R1001             | OPEN                       | OPEN         | OPEN         | 10k                                      |
| R1002             | 10k                        | 10k          | 10k          | OPEN                                     |
| R1003             | OPEN                       | OPEN         | OPEN         | 1k                                       |
| R1004             | OPEN                       | OPEN         | OPEN         | 1k                                       |
| R1005             | OPEN                       | OPEN         | OPEN         | 100                                      |
| R1006             | OPEN                       | OPEN         | OPEN         | 100                                      |
| R1007             | OPEN                       | OPEN         | OPEN         | 22k                                      |
| R1008             | OPEN                       | OPEN         | OPEN         | 22k                                      |
| R1009             | OPEN                       | OPEN         | OPEN         | 100                                      |
| R1010             | OPEN                       | OPEN         | OPEN         | 22k                                      |
| R1011             | OPEN                       | OPEN         | OPEN         | 10k                                      |
| R1012             | OPEN                       | OPEN         | OPEN         | QRL036J-330                              |
| Y1001             | 0                          | OPEN         | OPEN         | OPEN                                     |
| Y1002             | 0                          | OPEN         | OPEN         | OPEN                                     |
| Y1003             | 0                          | OPEN         | OPEN         | OPEN                                     |
| Y1004             | 0                          | OPEN         | OPEN         | OPEN                                     |
| Y1005             | 0                          | OPEN         | OPEN         | OPEN                                     |
| Y1006             | 0                          | OPEN         | OPEN         | OPEN                                     |
| Y1007             | 0                          | OPEN         | OPEN         | OPEN                                     |
| Y1008             | 0                          | OPEN         | OPEN         | OPEN                                     |
| Q1206             | *3                         | OPEN         | OPEN         | OPEN                                     |
| Q1209             | *4                         | OPEN         | OPEN         | OPEN                                     |
| R1206             | 3.3k                       | OPEN         | OPEN         | OPEN                                     |
| R1208             | 10k                        | OPEN         | OPEN         | OPEN                                     |
| C1110             | OPEN                       | OPEN         | 1500p        | OPEN                                     |
| C1111             | OPEN                       | OPEN         | 1500p        | OPEN                                     |







SYSTEM POWER PWB ASS'Y  
SFP-9511A-M2

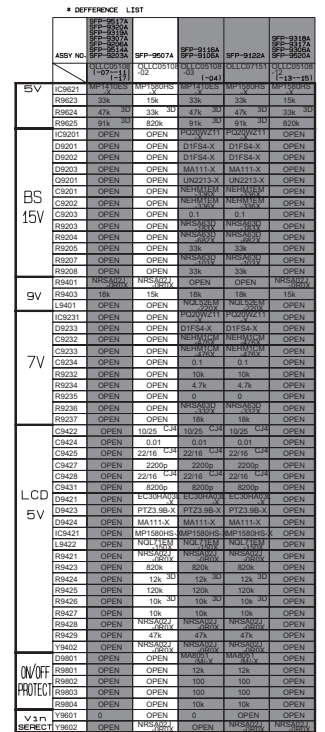
\* DIFFERENCE LIST 1

| MODEL     | TU-42X7955A<br>TU-50X7952A | TU-50X450A<br>TU-50X450A | TU-50X450A<br>TU-50X450A | TU-50X7952A<br>TU-50X7952A |
|-----------|----------------------------|--------------------------|--------------------------|----------------------------|
| ASSY NO.  | SFP-9511A                  | SFP-9120A                | SFP-9316A                | SFP-9516A                  |
| OLLCO5488 | OLLCO5488                  | OLLCO5488                | OLLCO5488                | OLLCO5488                  |
| CN001     | CN001                      | CN001                    | CN001                    | CN001                      |
| C9001     | C9001                      | C9001                    | C9001                    | C9001                      |
| R9001     | R9001                      | R9001                    | R9001                    | R9001                      |
| R9002     | R9002                      | R9002                    | R9002                    | R9002                      |
| R9003     | R9003                      | R9003                    | R9003                    | R9003                      |
| R9004     | R9004                      | R9004                    | R9004                    | R9004                      |
| R9005     | R9005                      | R9005                    | R9005                    | R9005                      |
| R9006     | R9006                      | R9006                    | R9006                    | R9006                      |
| R9007     | R9007                      | R9007                    | R9007                    | R9007                      |
| R9008     | R9008                      | R9008                    | R9008                    | R9008                      |
| R9009     | R9009                      | R9009                    | R9009                    | R9009                      |
| R9010     | R9010                      | R9010                    | R9010                    | R9010                      |
| R9011     | R9011                      | R9011                    | R9011                    | R9011                      |
| R9012     | R9012                      | R9012                    | R9012                    | R9012                      |
| R9013     | R9013                      | R9013                    | R9013                    | R9013                      |
| R9014     | R9014                      | R9014                    | R9014                    | R9014                      |
| R9015     | R9015                      | R9015                    | R9015                    | R9015                      |
| R9016     | R9016                      | R9016                    | R9016                    | R9016                      |
| R9017     | R9017                      | R9017                    | R9017                    | R9017                      |
| R9018     | R9018                      | R9018                    | R9018                    | R9018                      |
| R9019     | R9019                      | R9019                    | R9019                    | R9019                      |
| R9020     | R9020                      | R9020                    | R9020                    | R9020                      |
| R9021     | R9021                      | R9021                    | R9021                    | R9021                      |
| R9022     | R9022                      | R9022                    | R9022                    | R9022                      |
| R9023     | R9023                      | R9023                    | R9023                    | R9023                      |
| R9024     | R9024                      | R9024                    | R9024                    | R9024                      |
| R9025     | R9025                      | R9025                    | R9025                    | R9025                      |
| R9026     | R9026                      | R9026                    | R9026                    | R9026                      |
| R9027     | R9027                      | R9027                    | R9027                    | R9027                      |
| R9028     | R9028                      | R9028                    | R9028                    | R9028                      |
| R9029     | R9029                      | R9029                    | R9029                    | R9029                      |
| R9030     | R9030                      | R9030                    | R9030                    | R9030                      |
| R9031     | R9031                      | R9031                    | R9031                    | R9031                      |
| R9032     | R9032                      | R9032                    | R9032                    | R9032                      |
| R9033     | R9033                      | R9033                    | R9033                    | R9033                      |
| R9034     | R9034                      | R9034                    | R9034                    | R9034                      |
| R9035     | R9035                      | R9035                    | R9035                    | R9035                      |
| R9036     | R9036                      | R9036                    | R9036                    | R9036                      |
| R9037     | R9037                      | R9037                    | R9037                    | R9037                      |
| R9038     | R9038                      | R9038                    | R9038                    | R9038                      |
| R9039     | R9039                      | R9039                    | R9039                    | R9039                      |

\* DIFFERENCE LIST 2

| MODEL     | TU-42X7955A<br>TU-50X7952A | TU-50X450A<br>TU-50X450A | TU-50X450A<br>TU-50X450A | TU-50X7952A<br>TU-50X7952A |
|-----------|----------------------------|--------------------------|--------------------------|----------------------------|
| ASSY NO.  | SFP-9511A                  | SFP-9120A                | SFP-9316A                | SFP-9516A                  |
| OLLCO5488 | OLLCO5488                  | OLLCO5488                | OLLCO5488                | OLLCO5488                  |
| CN001     | CN001                      | CN001                    | CN001                    | CN001                      |
| C9001     | C9001                      | C9001                    | C9001                    | C9001                      |
| R9001     | R9001                      | R9001                    | R9001                    | R9001                      |
| R9002     | R9002                      | R9002                    | R9002                    | R9002                      |
| R9003     | R9003                      | R9003                    | R9003                    | R9003                      |
| R9004     | R9004                      | R9004                    | R9004                    | R9004                      |
| R9005     | R9005                      | R9005                    | R9005                    | R9005                      |
| R9006     | R9006                      | R9006                    | R9006                    | R9006                      |
| R9007     | R9007                      | R9007                    | R9007                    | R9007                      |
| R9008     | R9008                      | R9008                    | R9008                    | R9008                      |
| R9009     | R9009                      | R9009                    | R9009                    | R9009                      |
| R9010     | R9010                      | R9010                    | R9010                    | R9010                      |
| R9011     | R9011                      | R9011                    | R9011                    | R9011                      |
| R9012     | R9012                      | R9012                    | R9012                    | R9012                      |
| R9013     | R9013                      | R9013                    | R9013                    | R9013                      |
| R9014     | R9014                      | R9014                    | R9014                    | R9014                      |
| R9015     | R9015                      | R9015                    | R9015                    | R9015                      |
| R9016     | R9016                      | R9016                    | R9016                    | R9016                      |
| R9017     | R9017                      | R9017                    | R9017                    | R9017                      |
| R9018     | R9018                      | R9018                    | R9018                    | R9018                      |
| R9019     | R9019                      | R9019                    | R9019                    | R9019                      |
| R9020     | R9020                      | R9020                    | R9020                    | R9020                      |
| R9021     | R9021                      | R9021                    | R9021                    | R9021                      |
| R9022     | R9022                      | R9022                    | R9022                    | R9022                      |
| R9023     | R9023                      | R9023                    | R9023                    | R9023                      |
| R9024     | R9024                      | R9024                    | R9024                    | R9024                      |
| R9025     | R9025                      | R9025                    | R9025                    | R9025                      |
| R9026     | R9026                      | R9026                    | R9026                    | R9026                      |
| R9027     | R9027                      | R9027                    | R9027                    | R9027                      |
| R9028     | R9028                      | R9028                    | R9028                    | R9028                      |
| R9029     | R9029                      | R9029                    | R9029                    | R9029                      |
| R9030     | R9030                      | R9030                    | R9030                    | R9030                      |
| R9031     | R9031                      | R9031                    | R9031                    | R9031                      |
| R9032     | R9032                      | R9032                    | R9032                    | R9032                      |
| R9033     | R9033                      | R9033                    | R9033                    | R9033                      |
| R9034     | R9034                      | R9034                    | R9034                    | R9034                      |
| R9035     | R9035                      | R9035                    | R9035                    | R9035                      |
| R9036     | R9036                      | R9036                    | R9036                    | R9036                      |
| R9037     | R9037                      | R9037                    | R9037                    | R9037                      |
| R9038     | R9038                      | R9038                    | R9038                    | R9038                      |
| R9039     | R9039                      | R9039                    | R9039                    | R9039                      |

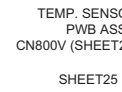
Note: Please refer to page 2-110 for voltages of this circuit diagram.



REGULATOR PWB ASS'Y  
SFP-9507A-M2

DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (1/3) SHEET 23

DISPLAY INTERFACE PWB ASS'Y (1/3)  
SFP-7504A-M2 [PD-42X795]  
SFP-7503A-M2 [PD-50X795]



- NOTE -

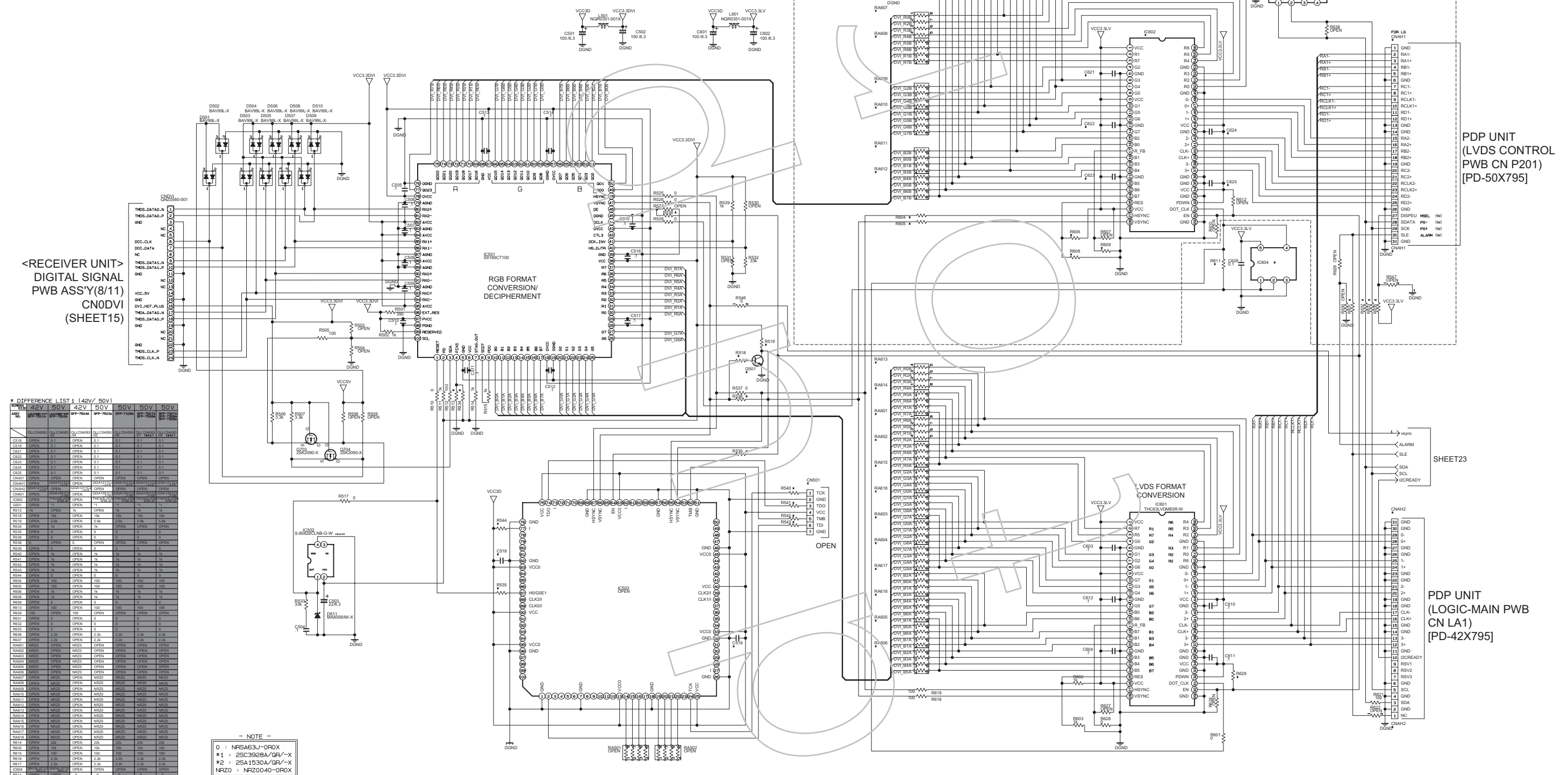
|    |   |                |
|----|---|----------------|
| 0  | : | NRSA63J-0R0X   |
| *1 | : | 2SC3928A/QR/-X |
| *2 | : | 2SA1530A/QR/-X |
| 1  | : | NCF31CZ-104X   |

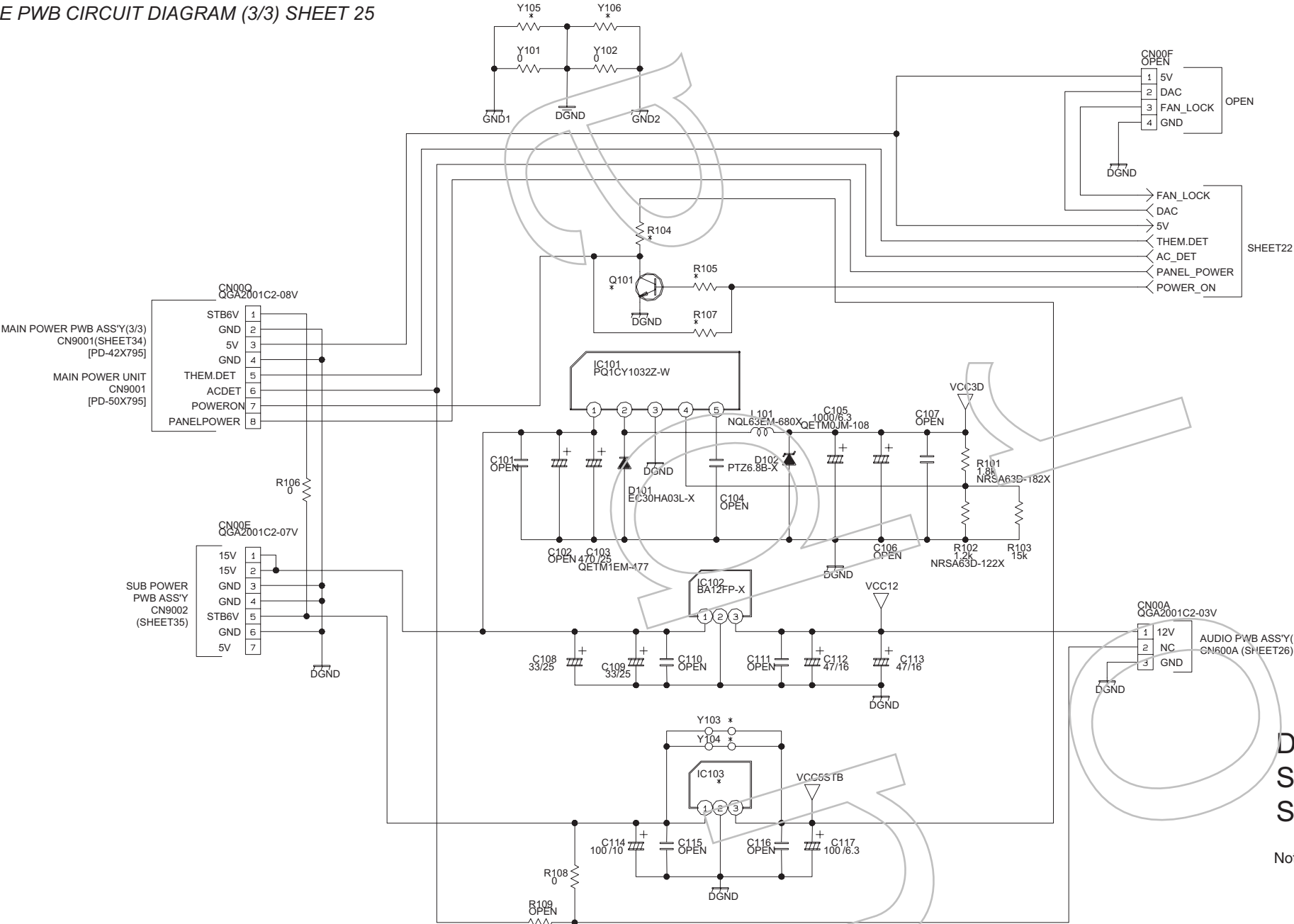
| * DIFFERENCE LIST 1 (42V/50V)          |         |         |         |         |         |         |         |          |         |         |
|--|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|
| NOTE                                   | 42V     | 50V     | 42V     | 50V     | 50V     | 50V     | 50V     | ASTA-etc | TEST    |         |
| NO.                                    | JPN03   | JPN03   | US      | US      | JPN04   | JPN04   | JPN04   | ASTA-etc | TEST    |         |
|  | WFFR101 | WFFR101 | WFFR101 | WFFR101 | WFFR101 | WFFR101 | WFFR101 | WFFR101  | WFFR101 | WFFR101 |
|  | QJL0408 | QJL0408 | QJL0408 | QJL0408 | QJL0408 | QJL0408 | QJL0408 | QJL0408  | QJL0408 | QJL0408 |
| R620                                   | OPEN    | 100     | OPEN    | 100     | 100     | 100     | 100     | 100      | 100     |         |
| R625                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R630                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R635                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R640                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R645                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R650                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R655                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R660                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R665                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R670                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R675                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R680                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R685                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R690                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R695                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R700                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R705                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R710                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R715                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R720                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R725                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R730                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R735                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R740                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R745                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R750                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R755                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R760                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R765                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R770                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R775                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R780                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R785                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R790                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R795                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R800                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R805                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R810                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R815                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R820                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R825                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R830                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R835                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R840                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R845                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R850                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R855                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R860                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R865                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R870                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R875                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R880                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R885                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R890                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R895                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R900                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R905                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R910                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R915                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R920                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R925                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R930                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R935                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R940                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R945                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R950                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R955                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R960                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R965                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R970                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R975                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R980                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R985                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R990                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R995                                   | 100     | OPEN    | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| * DIFFERENCE LIST 2 (JPN03 MODEL/ etc) |         |         |         |         |         |         |         |          |         |         |
| NOTE                                   | 42V     | 50V     | 42V     | 50V     | 50V     | 50V     | 50V     | ASTA-etc | TEST    |         |
| NO.                                    | JPN03   | JPN03   | US      | US      | JPN04   | JPN04   | JPN04   | ASTA-etc | TEST    |         |
|  | WFFR101 | WFFR101 | WFFR101 | WFFR101 | WFFR101 | WFFR101 | WFFR101 | WFFR101  | WFFR101 | WFFR101 |
|  | QJL0408 | QJL0408 | QJL0408 | QJL0408 | QJL0408 | QJL0408 | QJL0408 | QJL0408  | QJL0408 | QJL0408 |
| R674                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R676                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R684                                   | 0       | 0       | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R685                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R686                                   | 0       | 0       | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R687                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R688                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R689                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R690                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R691                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R692                                   | 0       | 0       | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R693                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R694                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R695                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R696                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R697                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R698                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R699                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R700                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R701                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R702                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R703                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R704                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R705                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R706                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R707                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R708                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R709                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R710                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R711                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R712                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R713                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R714                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R715                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R716                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R717                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R718                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R719                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R720                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R721                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R722                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R723                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R724                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R725                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R726                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R727                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R728                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R729                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R730                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R731                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R732                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R733                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R734                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R735                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R736                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R737                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R738                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R739                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R740                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R741                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R742                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R743                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R744                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R745                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R746                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R747                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R748                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R749                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R750                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R751                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R752                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R753                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R754                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R755                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R756                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R757                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R758                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R759                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R760                                   | 100     | 100     | OPEN    | OPEN    | OPEN    | OPEN    | OPEN    | OPEN     | OPEN    |         |
| R761                                   | 100     | 100     | OPEN    | OPEN</  |         |         |         |          |         |         |



Note: 1. Please refer to page 2-111 for voltages of this circuit diagram.  
2. Please refer to page 2-112 for waveforms of this circuit diagram.

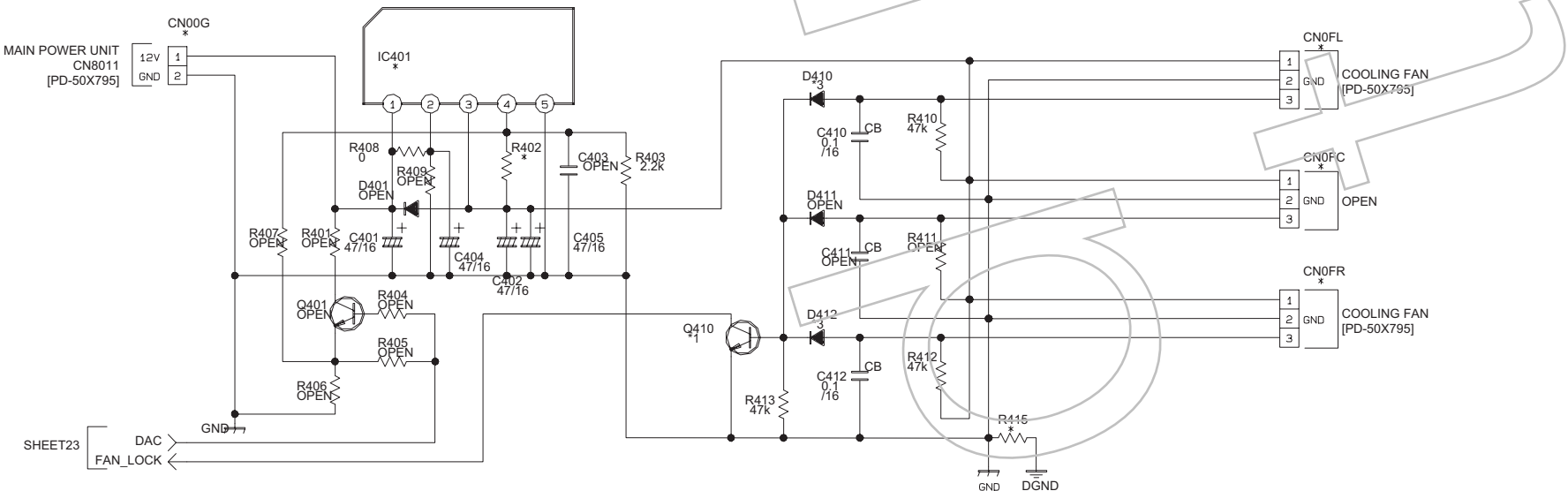
DISPLAY INTERFACE PWB ASS'Y (2/3)  
SFP-7504A-M2 [PD-42X795]  
SFP-7503A-M2 [PD-50X795]





DISPLAY INTERFACE PWB ASS'Y (3/3)  
SFP-7504A-M2 [PD-42X795]  
SFP-7503A-M2 [PD-50X795]

Note: Please refer to page 2-111 for voltages of this circuit diagram.



— NOTE —

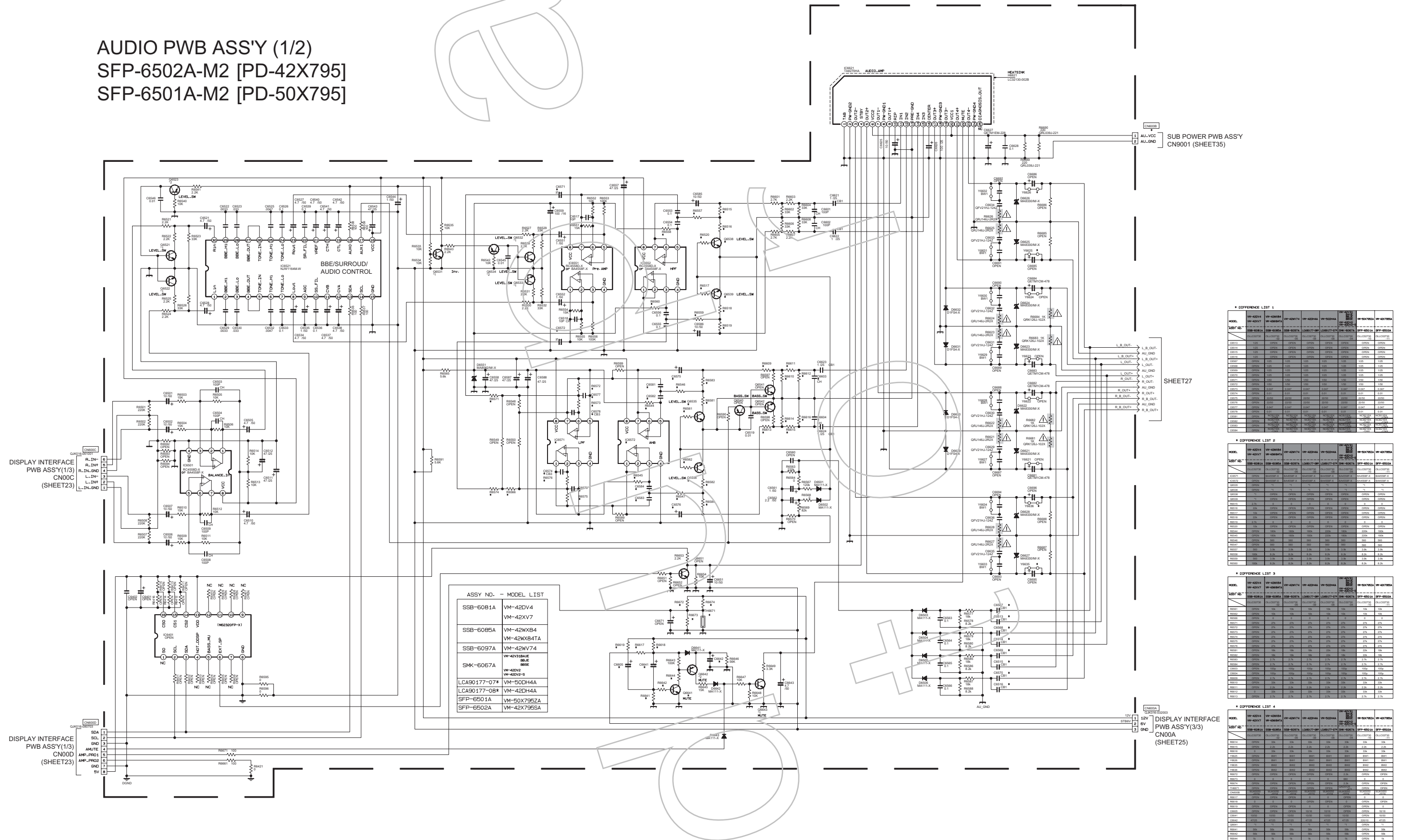
|    |                  |
|----|------------------|
| 0  | : NRSA63J-0R0X   |
| *1 | : 2SC3928A/QR/-X |
| *2 | : 2SA1530A/QR/-X |
| *3 | : MA111-X        |

\* DIFFERENCE LIST 1 (42V/ 50V)

| ASSEMBLY NO. | 42V       | 50V        | 42V       | 50V        | 50V        | 50V        | 50V        |
|--------------|-----------|------------|-----------|------------|------------|------------|------------|
| SFP-7501A    | SFP-7502A | SFP-7503A  | SFP-7504A | SFP-7505A  | SFP-7506A  | SFP-7507A  | SFP-7508A  |
| Q101         | OPEN      | OPEN       | OPEN      | OPEN       | OPEN       | OPEN       | OPEN       |
| R104         | 3.3k      | OPEN       | 3.3k      | OPEN       | OPEN       | OPEN       | OPEN       |
| R105         | 10k       | OPEN       | 10k       | OPEN       | OPEN       | OPEN       | OPEN       |
| R107         | OPEN      | 0          | OPEN      | 0          | 0          | 0          | 0          |
| IC401        | OPEN      | PQ20W211-X | OPEN      | PQ20W211-X | PQ20W211-X | PQ20W211-X | PQ20W211-X |
| CN0FL        | OPEN      | OPEN       | OPEN      | OPEN       | OPEN       | OPEN       | OPEN       |
| CN0FC        | OPEN      | OPEN       | OPEN      | OPEN       | OPEN       | OPEN       | OPEN       |
| CN0FR        | OPEN      | OPEN       | OPEN      | OPEN       | OPEN       | OPEN       | OPEN       |
| CN00G        | OPEN      | OPEN       | OPEN      | OPEN       | OPEN       | OPEN       | OPEN       |
| IC103        | BA05FP-X  | OPEN       | BA05FP-X  | OPEN       | OPEN       | OPEN       | OPEN       |
| Y103         | OPEN      | 0          | OPEN      | 0          | 0          | 0          | 0          |
| Y104         | OPEN      | 0          | OPEN      | 0          | 0          | 0          | 0          |
| R402         | 4.7k      | 6.8k       | 4.7k      | 6.8k       | 6.8k       | 6.8k       | 6.8k       |
| R415         | OPEN      | 0          | OPEN      | 0          | 0          | 0          | 0          |

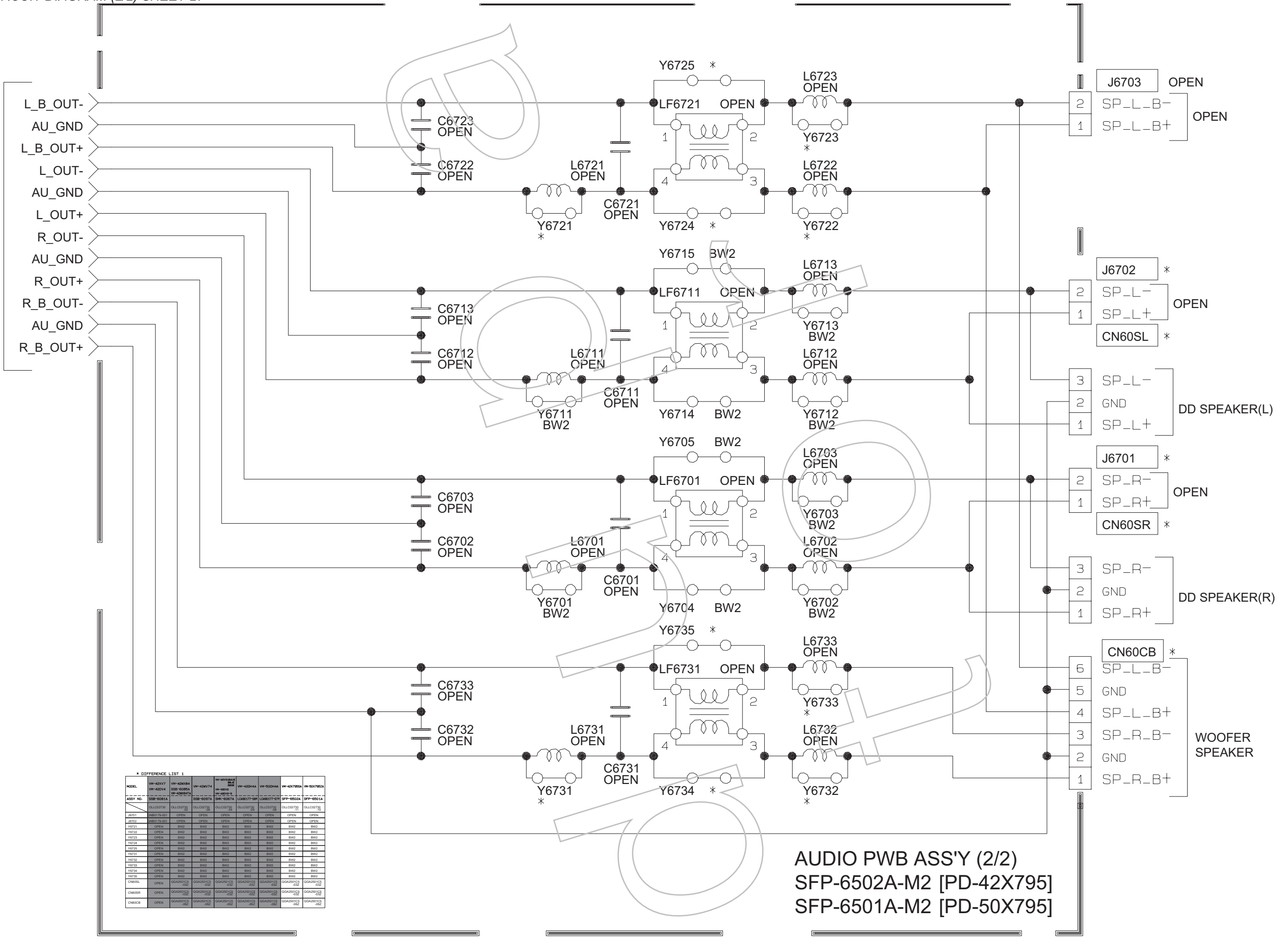
| * DIFFERENCE LIST 2 (JPN MODEL/ etc) |                          |                          |           |           |           |                        |                                     |
|--------------------------------------|--------------------------|--------------------------|-----------|-----------|-----------|------------------------|-------------------------------------|
| NOTE                                 | JPN03                    | JPN03                    | US        | US        | JPN04     | ASIA-etc               | ASIA-etc                            |
| ASSY NO.                             | Q1A1960-014<br>SFP-7501A | Q1A1960-014<br>SFP-7502A | SFP-7504A | SFP-7503A | SFP-7109A | SFP-7507A<br>SFP-7508A | SFP-7307A<br>SFP-7308A<br>SFP-7309A |
|                                      | Q104083                  | Q104083                  | Q104083   | Q104083   | Q104083   | Q104083                | Q104083                             |
|                                      |                          | 02                       | 04        | 03        | 08        | 07<br>(etc)            | 09                                  |
| Y105                                 | OPEN                     | OPEN                     | 0         | 0         | 0         | 0                      | 0                                   |
| Y106                                 | OPEN                     | OPEN                     | 0         | 0         | 0         | 0                      | 0                                   |

AUDIO PWB ASS'Y (1/2)  
SFP-6502A-M2 [PD-42X795]  
SFP-6501A-M2 [PD-50X795]



Note: Please refer to page 2-111 for voltages of this circuit diagram.

SHEET26

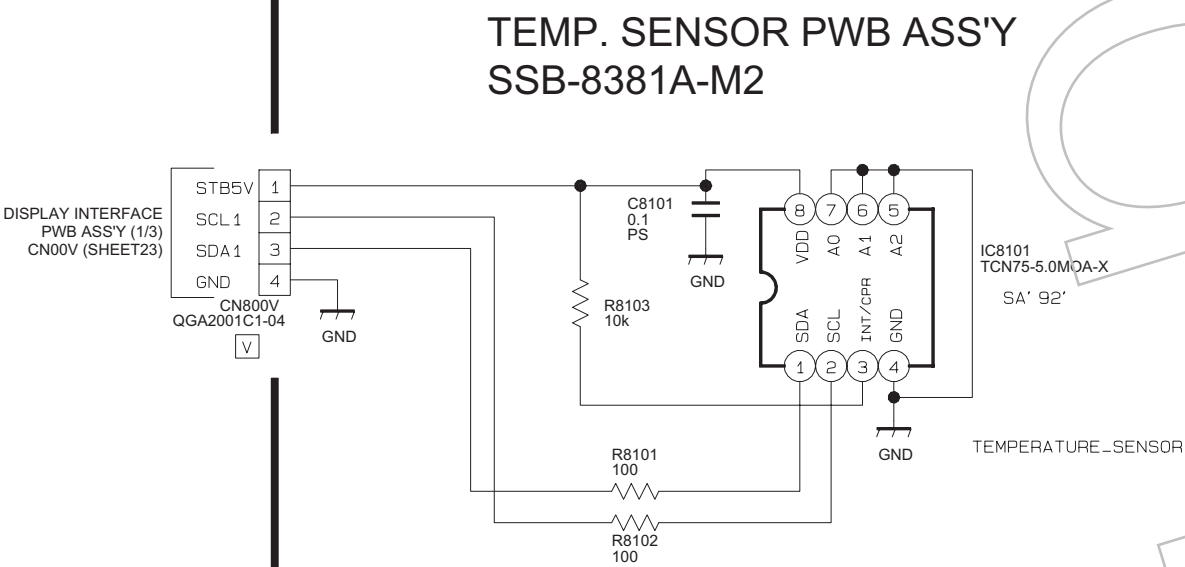


\* DIFFERENCE LIST 1

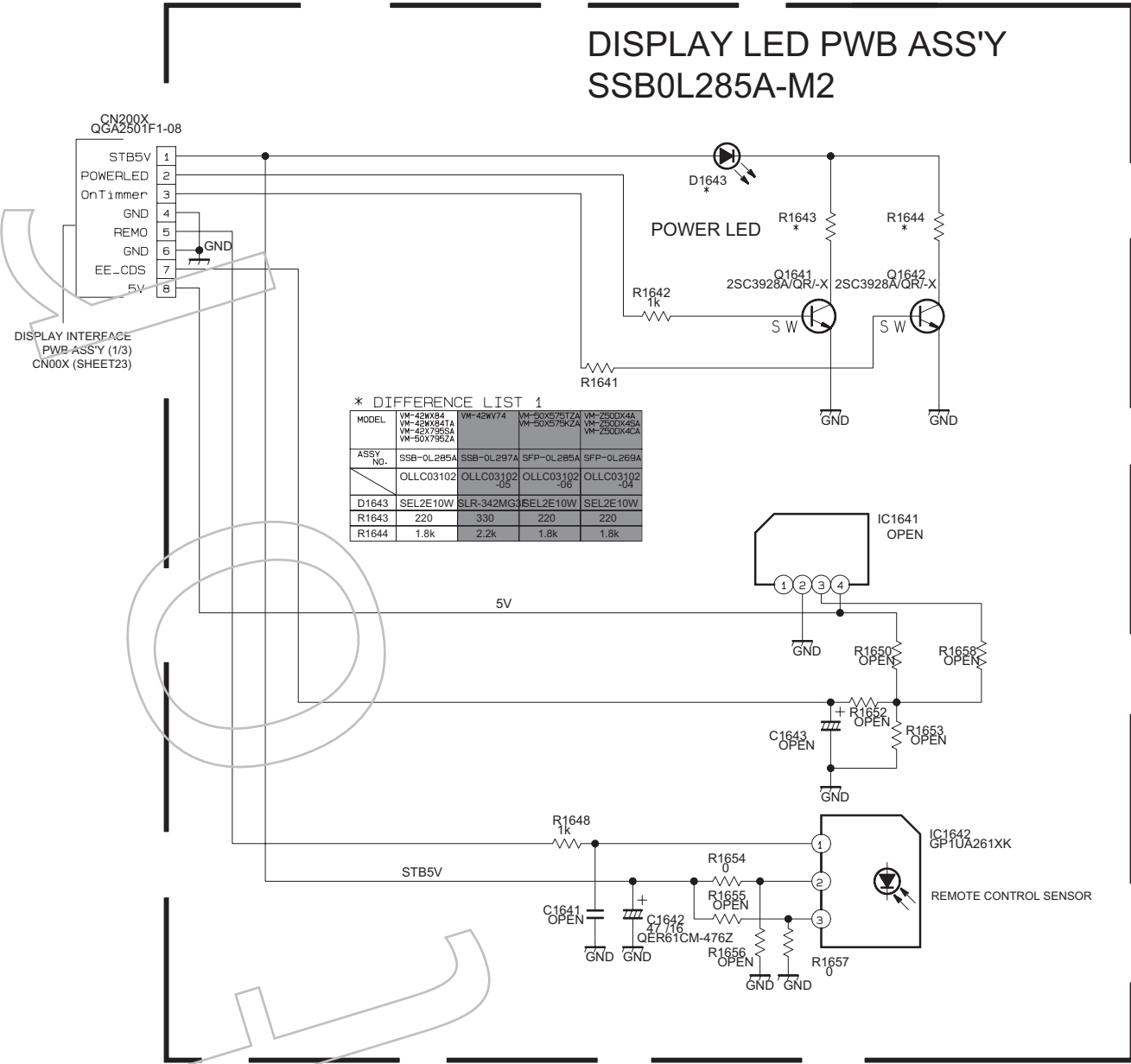
| MODEL      | VH-42XV7 | VH-42XV8 | VH-42XV9 | VH-42XV10 | VH-42XV11 | VH-42XV12 | VH-42XV13 | VH-42XV14 | VH-42XV15 | VH-42XV16 | VH-42XV17 | VH-42XV18 | VH-42XV19 | VH-42XV20 | VH-42XV21 | VH-42XV22 | VH-42XV23 | VH-42XV24 | VH-42XV25 | VH-42XV26 | VH-42XV27 | VH-42XV28 | VH-42XV29 | VH-42XV30 | VH-42XV31 | VH-42XV32 | VH-42XV33 | VH-42XV34 | VH-42XV35 | VH-42XV36 | VH-42XV37 | VH-42XV38 | VH-42XV39 | VH-42XV40 | VH-42XV41 | VH-42XV42 | VH-42XV43 | VH-42XV44 | VH-42XV45 | VH-42XV46 | VH-42XV47 | VH-42XV48 | VH-42XV49 | VH-42XV50 | VH-42XV51 | VH-42XV52 | VH-42XV53 | VH-42XV54 | VH-42XV55 | VH-42XV56 | VH-42XV57 | VH-42XV58 | VH-42XV59 | VH-42XV60 | VH-42XV61 | VH-42XV62 | VH-42XV63 | VH-42XV64 | VH-42XV65 | VH-42XV66 | VH-42XV67 | VH-42XV68 | VH-42XV69 | VH-42XV70 | VH-42XV71 | VH-42XV72 | VH-42XV73 | VH-42XV74 | VH-42XV75 | VH-42XV76 | VH-42XV77 | VH-42XV78 | VH-42XV79 | VH-42XV80 | VH-42XV81 | VH-42XV82 | VH-42XV83 | VH-42XV84 | VH-42XV85 | VH-42XV86 | VH-42XV87 | VH-42XV88 | VH-42XV89 | VH-42XV90 | VH-42XV91 | VH-42XV92 | VH-42XV93 | VH-42XV94 | VH-42XV95 | VH-42XV96 | VH-42XV97 | VH-42XV98 | VH-42XV99 | VH-42XV100 |          |          |          |          |          |          |
|------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|----------|----------|----------|----------|----------|----------|
| ASBY NO.   | 01000001 | 01000002 | 01000003 | 01000004  | 01000005  | 01000006  | 01000007  | 01000008  | 01000009  | 01000010  | 01000011  | 01000012  | 01000013  | 01000014  | 01000015  | 01000016  | 01000017  | 01000018  | 01000019  | 01000020  | 01000021  | 01000022  | 01000023  | 01000024  | 01000025  | 01000026  | 01000027  | 01000028  | 01000029  | 01000030  | 01000031  | 01000032  | 01000033  | 01000034  | 01000035  | 01000036  | 01000037  | 01000038  | 01000039  | 01000040  | 01000041  | 01000042  | 01000043  | 01000044  | 01000045  | 01000046  | 01000047  | 01000048  | 01000049  | 01000050  | 01000051  | 01000052  | 01000053  | 01000054  | 01000055  | 01000056  | 01000057  | 01000058  | 01000059  | 01000060  | 01000061  | 01000062  | 01000063  | 01000064  | 01000065  | 01000066  | 01000067  | 01000068  | 01000069  | 01000070  | 01000071  | 01000072  | 01000073  | 01000074  | 01000075  | 01000076  | 01000077  | 01000078  | 01000079  | 01000080  | 01000081  | 01000082  | 01000083  | 01000084  | 01000085  | 01000086  | 01000087  | 01000088  | 01000089  | 01000090  | 01000091  | 01000092  | 01000093  | 01000094   | 01000095 | 01000096 | 01000097 | 01000098 | 01000099 | 01000100 |
| DIFFERENCE | 01000001 | 01000002 | 01000003 | 01000004  | 01000005  | 01000006  | 01000007  | 01000008  | 01000009  | 01000010  | 01000011  | 01000012  | 01000013  | 01000014  | 01000015  | 01000016  | 01000017  | 01000018  | 01000019  | 01000020  | 01000021  | 01000022  | 01000023  | 01000024  | 01000025  | 01000026  | 01000027  | 01000028  | 01000029  | 01000030  | 01000031  | 01000032  | 01000033  | 01000034  | 01000035  | 01000036  | 01000037  | 01000038  | 01000039  | 01000040  | 01000041  | 01000042  | 01000043  | 01000044  | 01000045  | 01000046  | 01000047  | 01000048  | 01000049  | 01000050  | 01000051  | 01000052  | 01000053  | 01000054  | 01000055  | 01000056  | 01000057  | 01000058  | 01000059  | 01000060  | 01000061  | 01000062  | 01000063  | 01000064  | 01000065  | 01000066  | 01000067  | 01000068  | 01000069  | 01000070  | 01000071  | 01000072  | 01000073  | 01000074  | 01000075  | 01000076  | 01000077  | 01000078  | 01000079  | 01000080  | 01000081  | 01000082  | 01000083  | 01000084  | 01000085  | 01000086  | 01000087  | 01000088  | 01000089  | 01000090  | 01000091  | 01000092  | 01000093  | 01000094   | 01000095 | 01000096 | 01000097 | 01000098 | 01000099 | 01000100 |

AUDIO PWB ASS'Y (2/2)  
SFP-6502A-M2 [PD-42X795]  
SFP-6501A-M2 [PD-50X795]





Note: Please refer to page 2-111 for voltages of this circuit diagram.

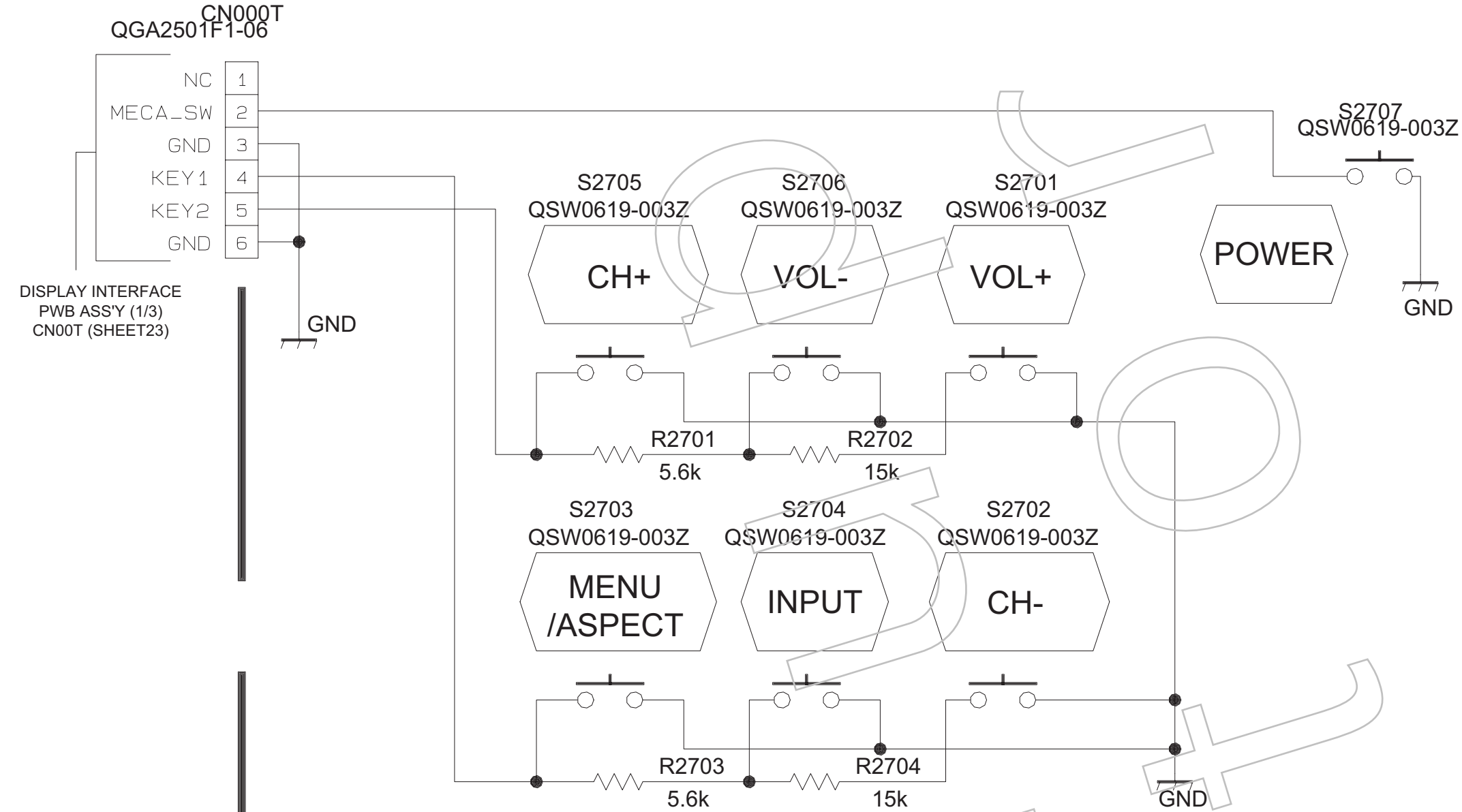


\* DIFFERENCE LIST 1

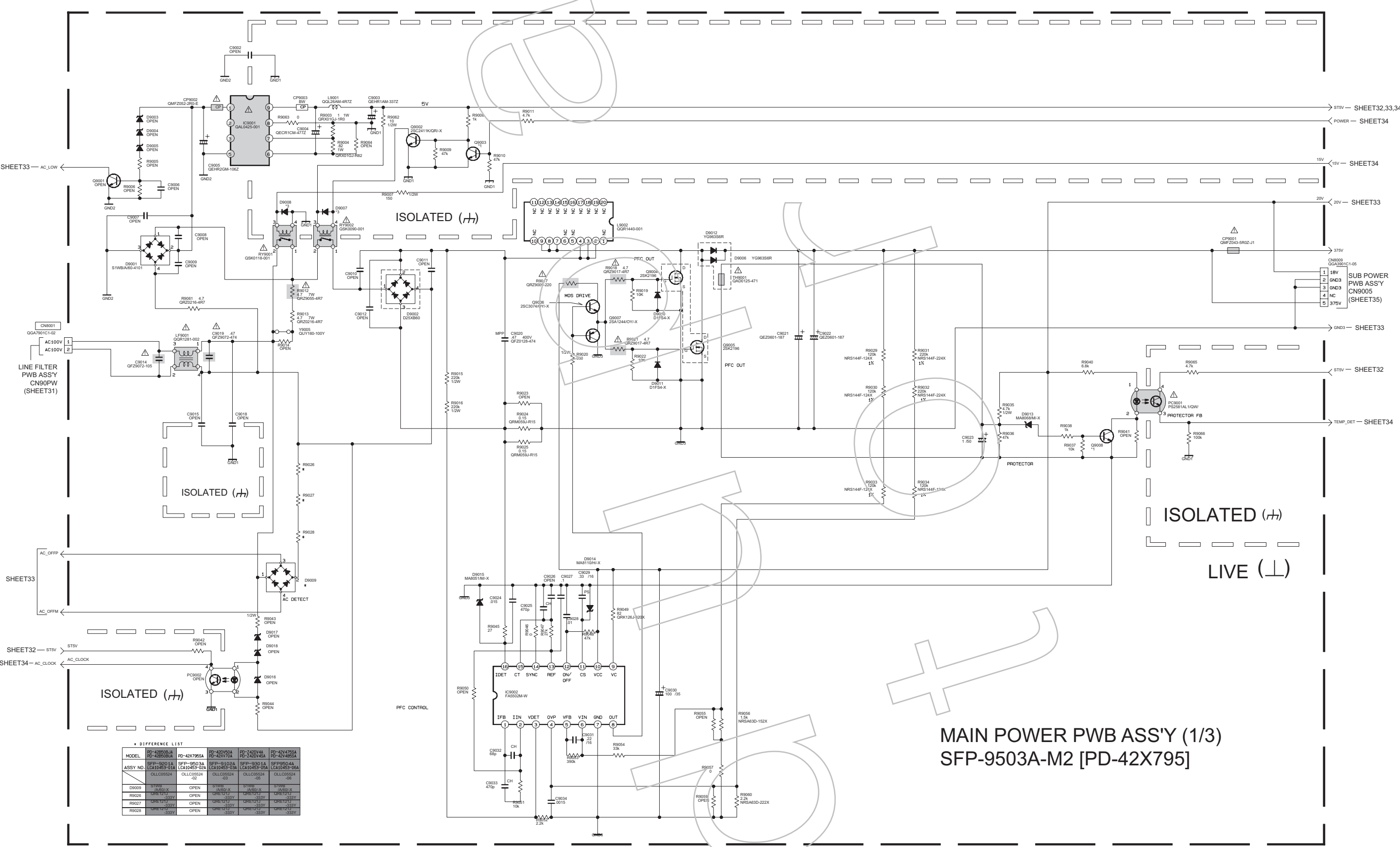
| MODEL    | VM-42WXB4   | VM-42WV74    | VM-50X575TZA | VM-2500X4A   |
|----------|-------------|--------------|--------------|--------------|
|          | VM-42WXB4TA |              | VM-50X575KZA | VM-2500X4SA  |
|          | VM-42X7955A |              |              | VM-2500X4CA  |
|          | VM-50X7952A |              |              |              |
| ASSY NO. | SSB-OL285A  | SSB-OL297A   | SFP-OL285A   | SFP-OL269A   |
|          | OLLC03102   | OLLC03102-05 | OLLC03102-06 | OLLC03102-04 |
| D1643    | SEL2E10W    | SLR-342MG3   | SEL2E10W     | SEL2E10W     |
| R1643    | 220         | 330          | 220          | 220          |
| R1644    | 1.8k        | 2.2k         | 1.8k         | 1.8k         |

Note: Please refer to page 2-111 for voltages of this circuit diagram.

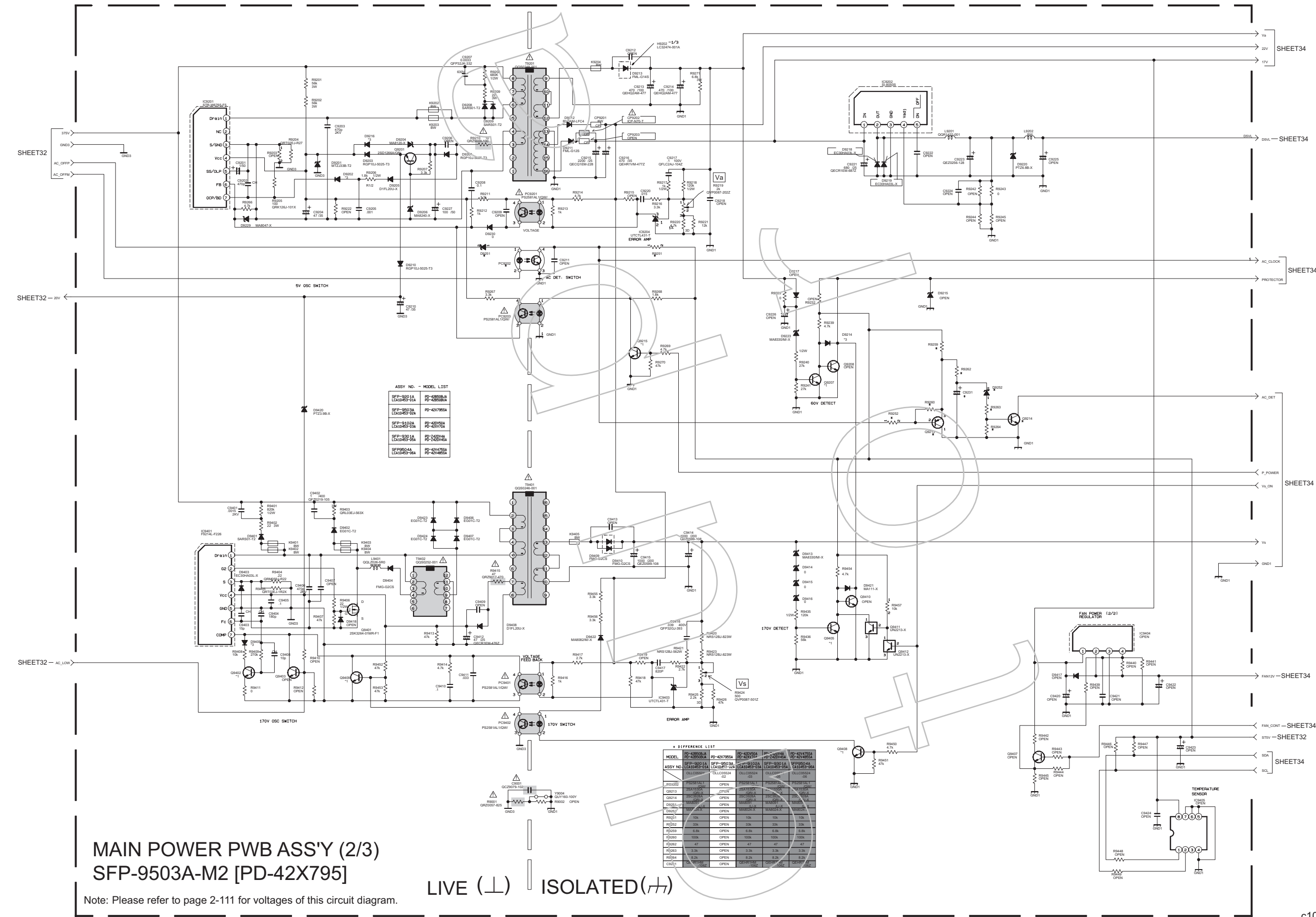
DISPLAY SWITCH PWB ASS'Y  
SSB0L385A-M2





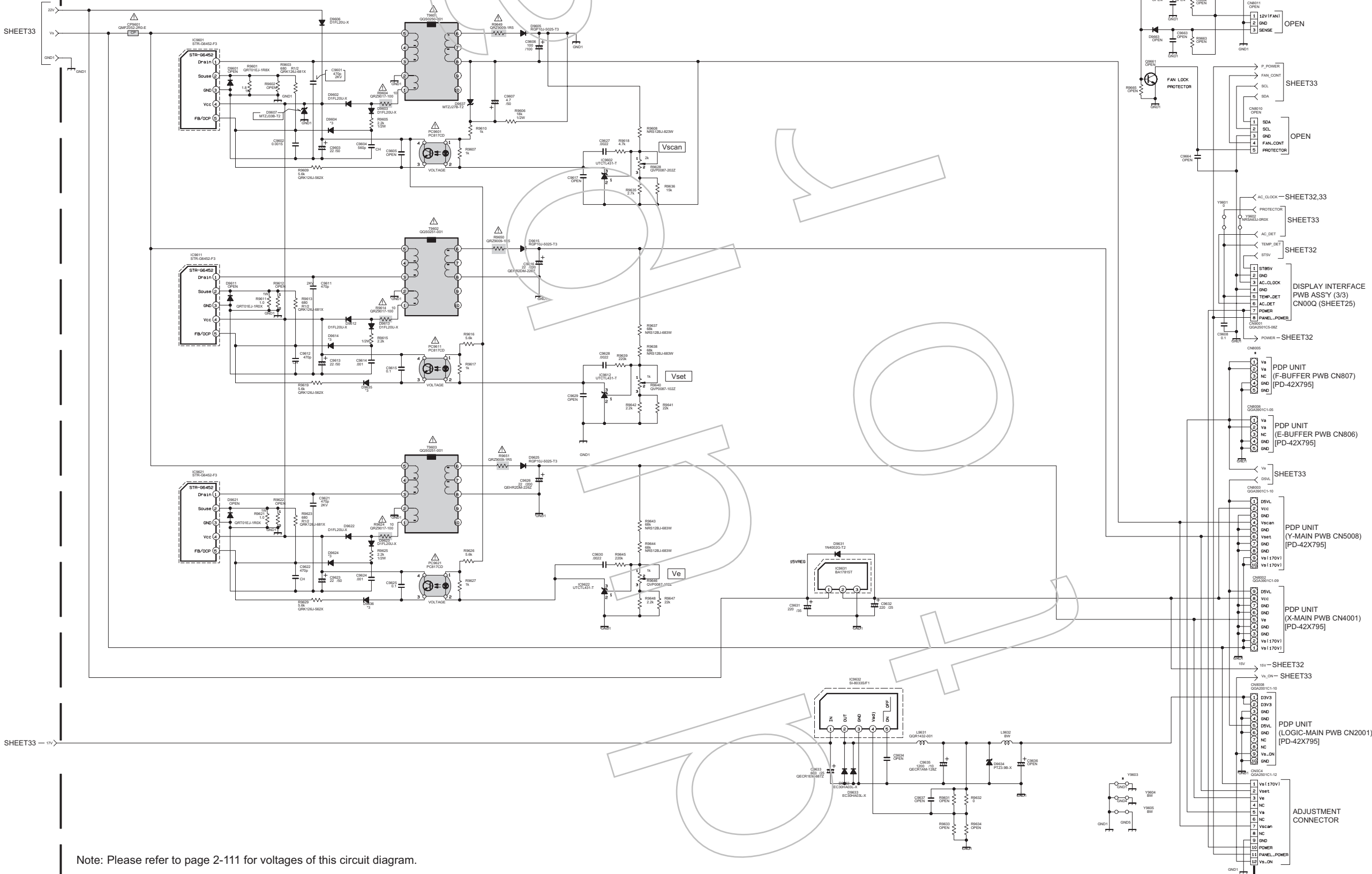


Note: Please refer to page 2-111 for voltages of this circuit diagram.



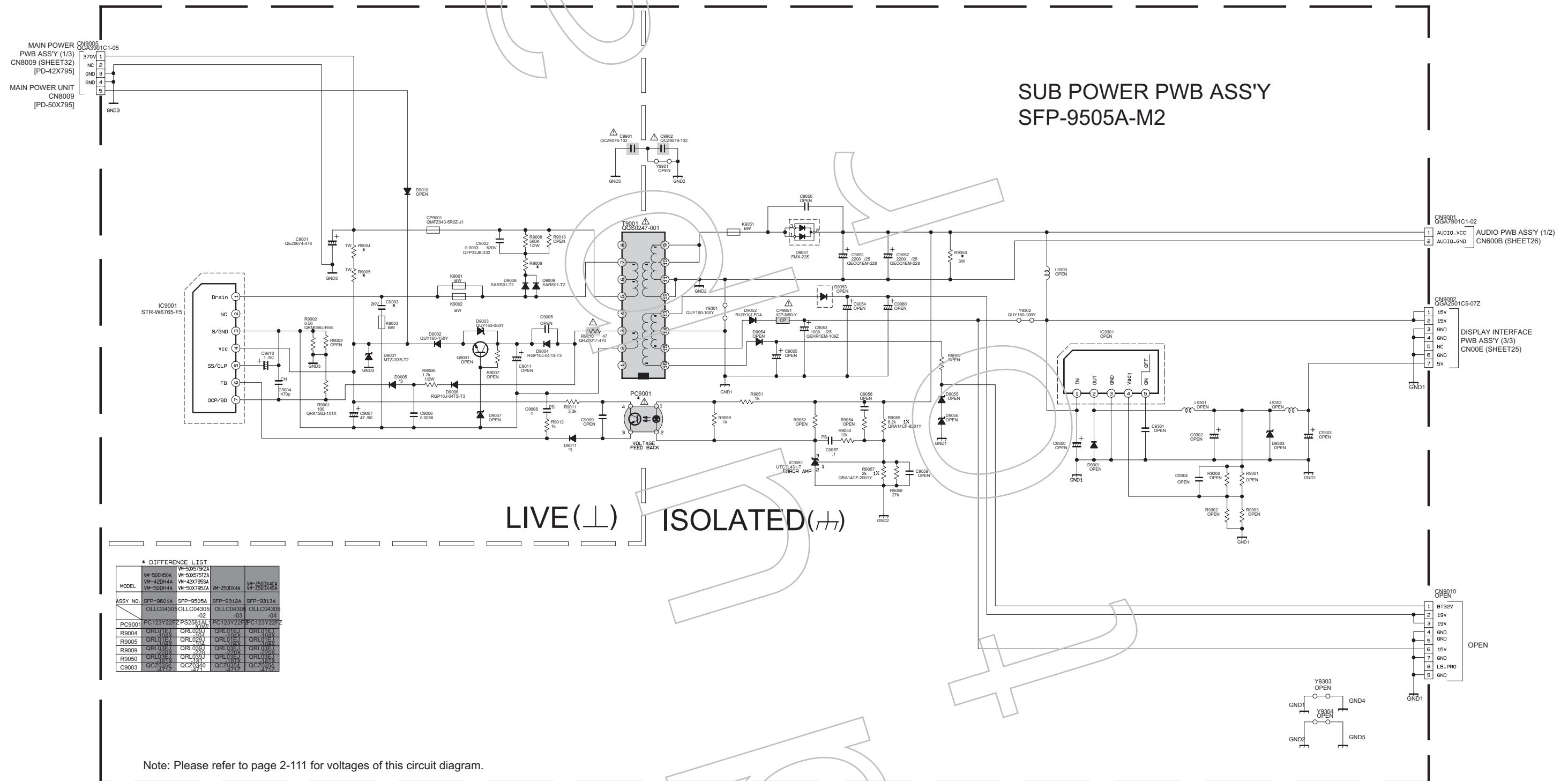
MAIN POWER PWB ASS'Y (3/3)  
SFP-9503A-M2 [PD-42X795]

| * DIFFERENCE LIST |                           |                           |                           |                           |                            |
|-------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|
| MODEL             | P0-42R5V0A<br>P0-42R5V0A  | P0-42X795SA               | P0-42DVS0A<br>P0-42X7V3A  | P0-74Z0V4A<br>P0-74Z0V4SA | P0-42V475SA<br>P0-42V485SA |
| ASSY NO           | SFP-9503A<br>LC1A1043-03A | SFP-9503A<br>LC1A1043-03A | SFP-9102A<br>LC1A1043-03A | SFP-9103A<br>LC1A1043-05A | SFP9504A<br>LC1A1043-06A   |
|                   | OLL05524                  | OLL05524<br>-02           | OLL05524<br>-03           | OLL05524<br>-05           | OLL05524<br>-06            |
| Y9603             | BW                        | OPEN                      | BW                        | BW                        | BW                         |
| CH8006            | QA39071C1                 | QA39071C1                 | QA39071C1                 | OPEN                      | QA39071C1                  |

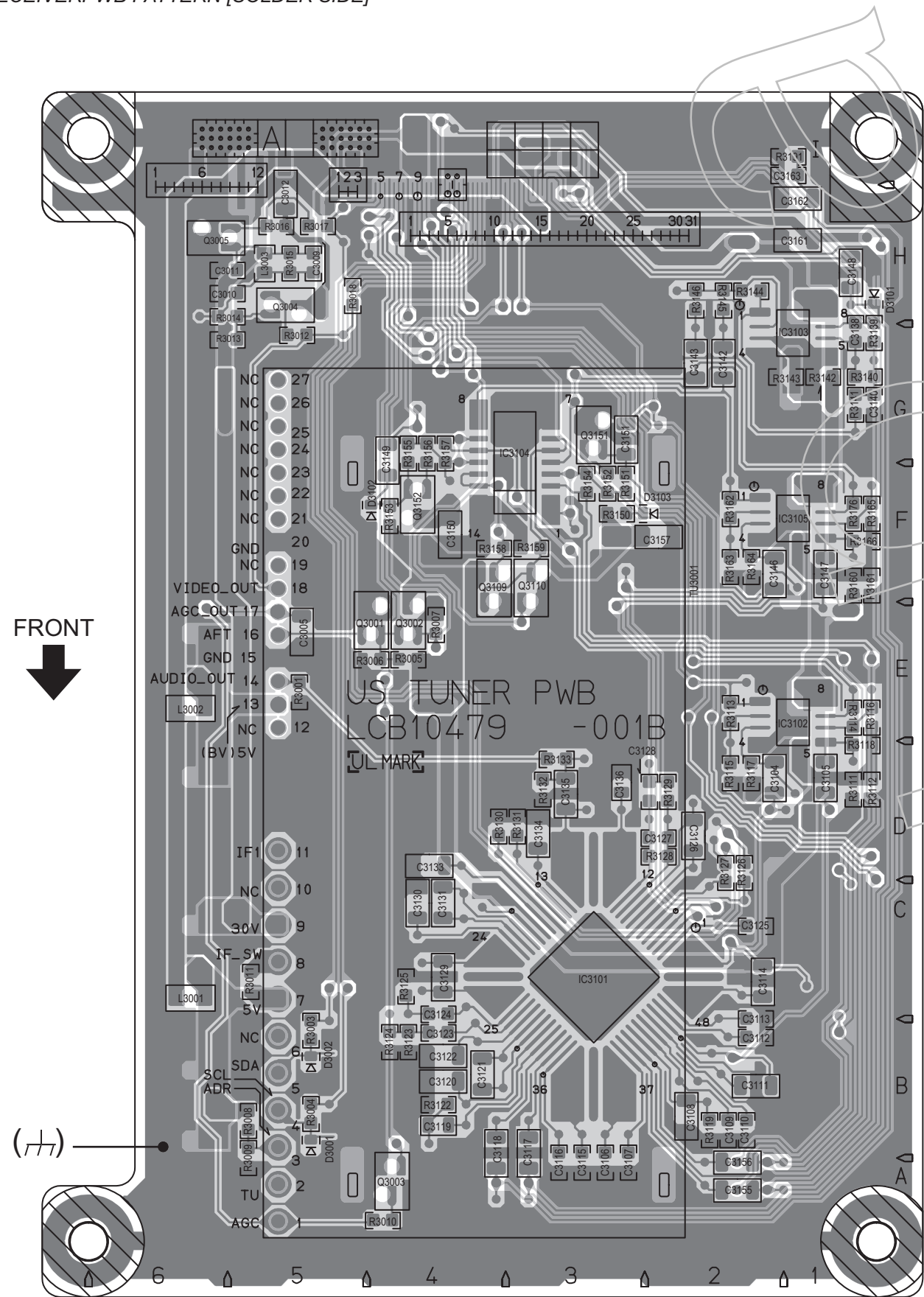


Note: Please refer to page 2-111 for voltages of this circuit diagram

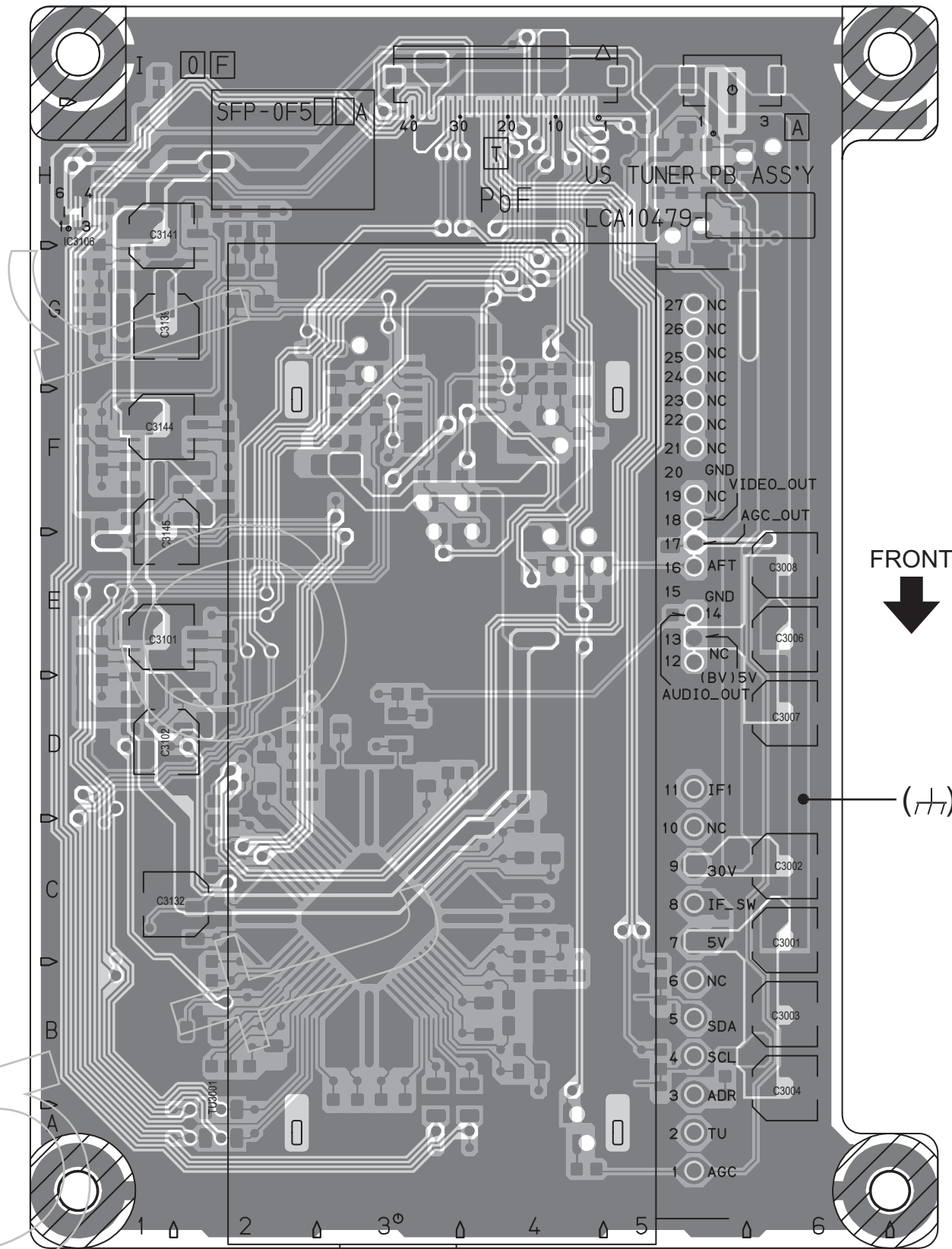




PATTERN DIAGRAMS [RECEIVER UNIT]  
RECEIVERPWB PATTERN [SOLDER SIDE]



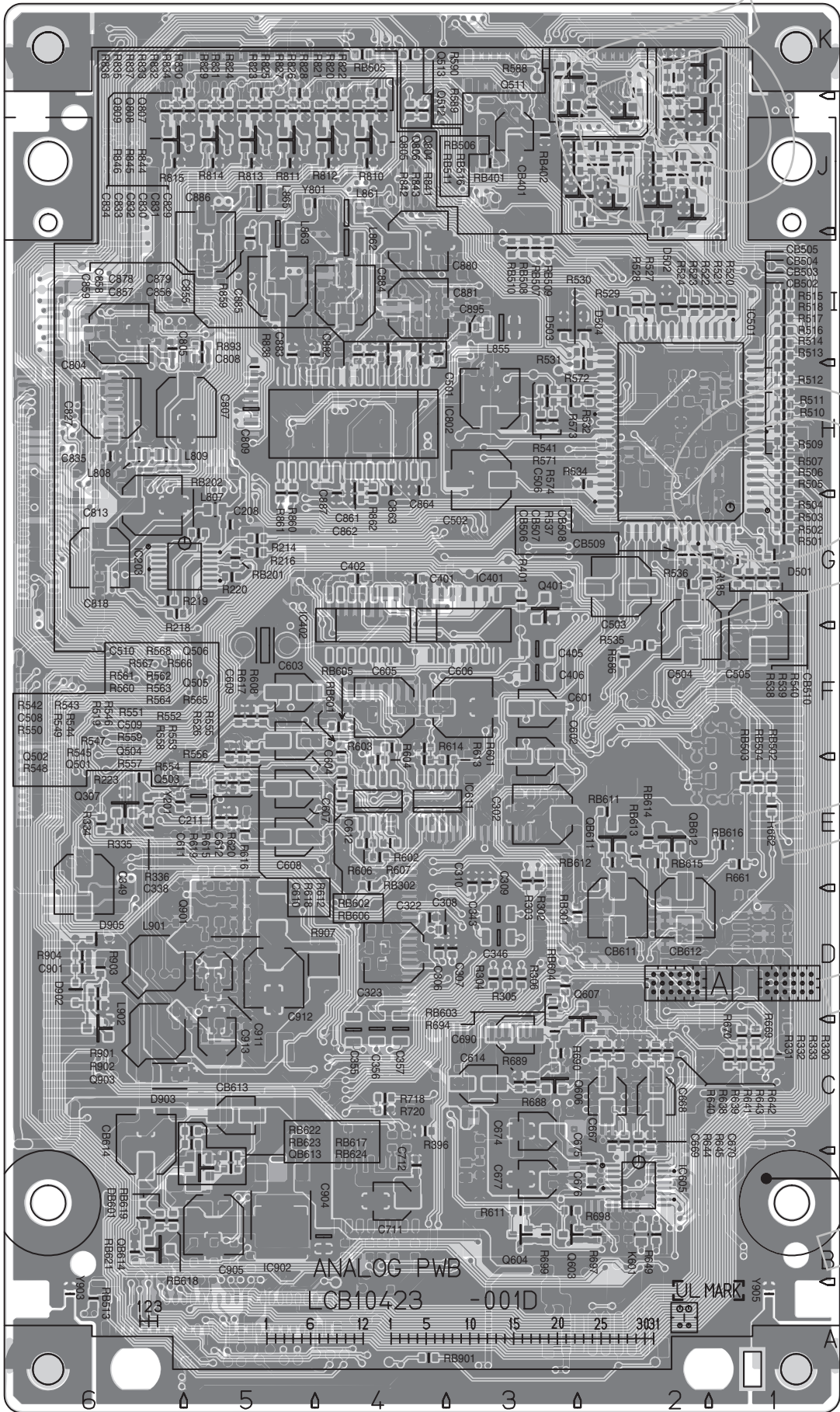
RECEIVER PWB PATTERN [PARTS SIDE]





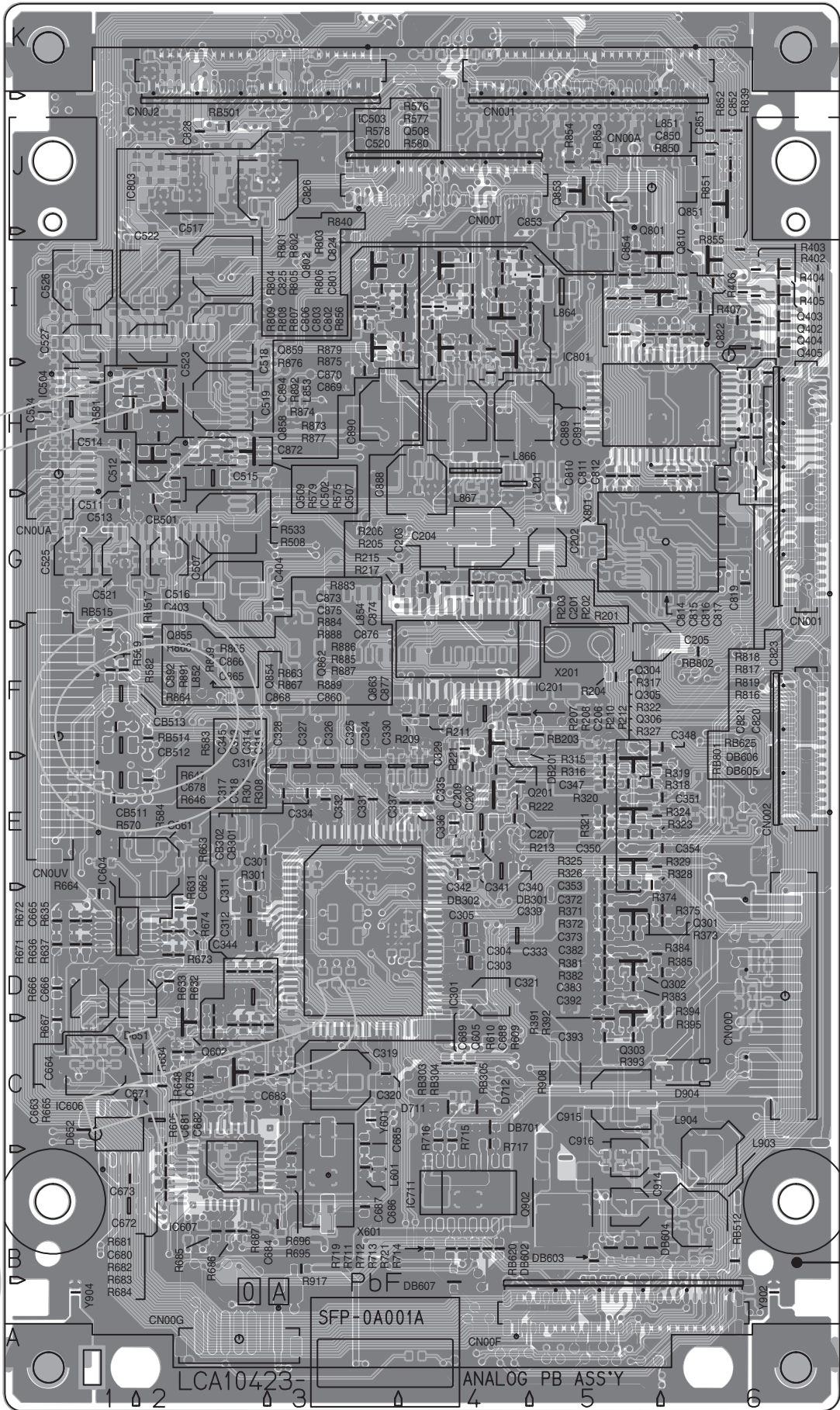
ANALOG SIGNAL PWB PATTERN [SOLDER SIDE]

FRONT  
↓



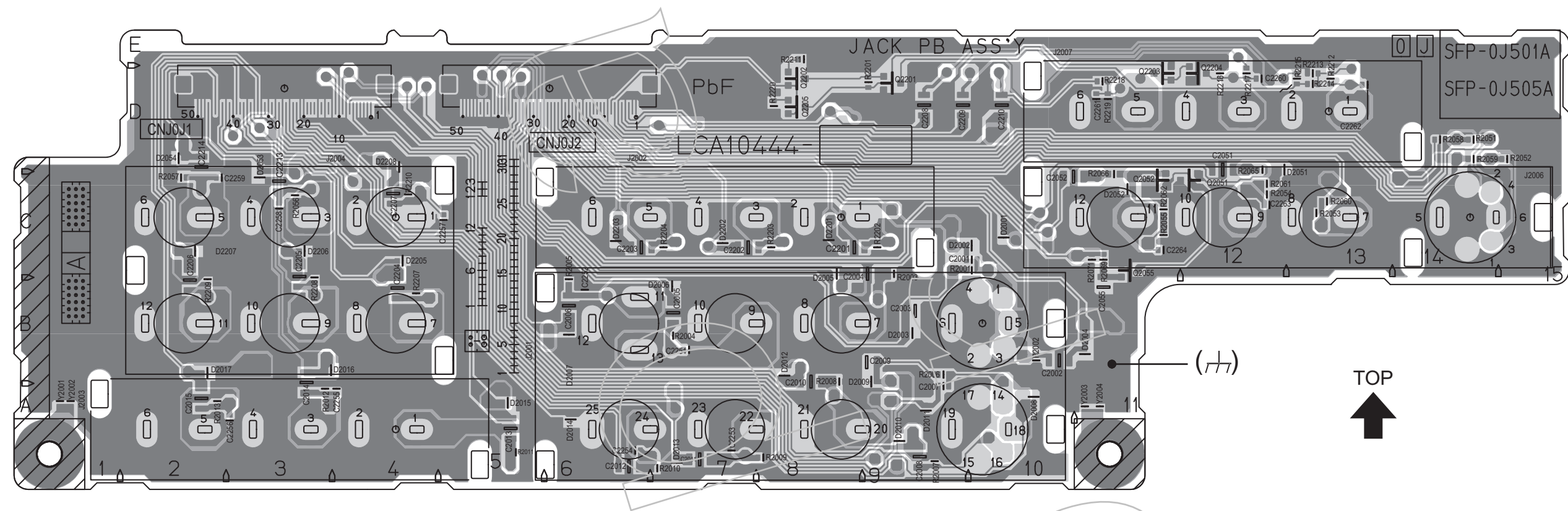
ANALOG SIGNAL PWB PATTERN [PARTS SIDE]

FRONT  
↓

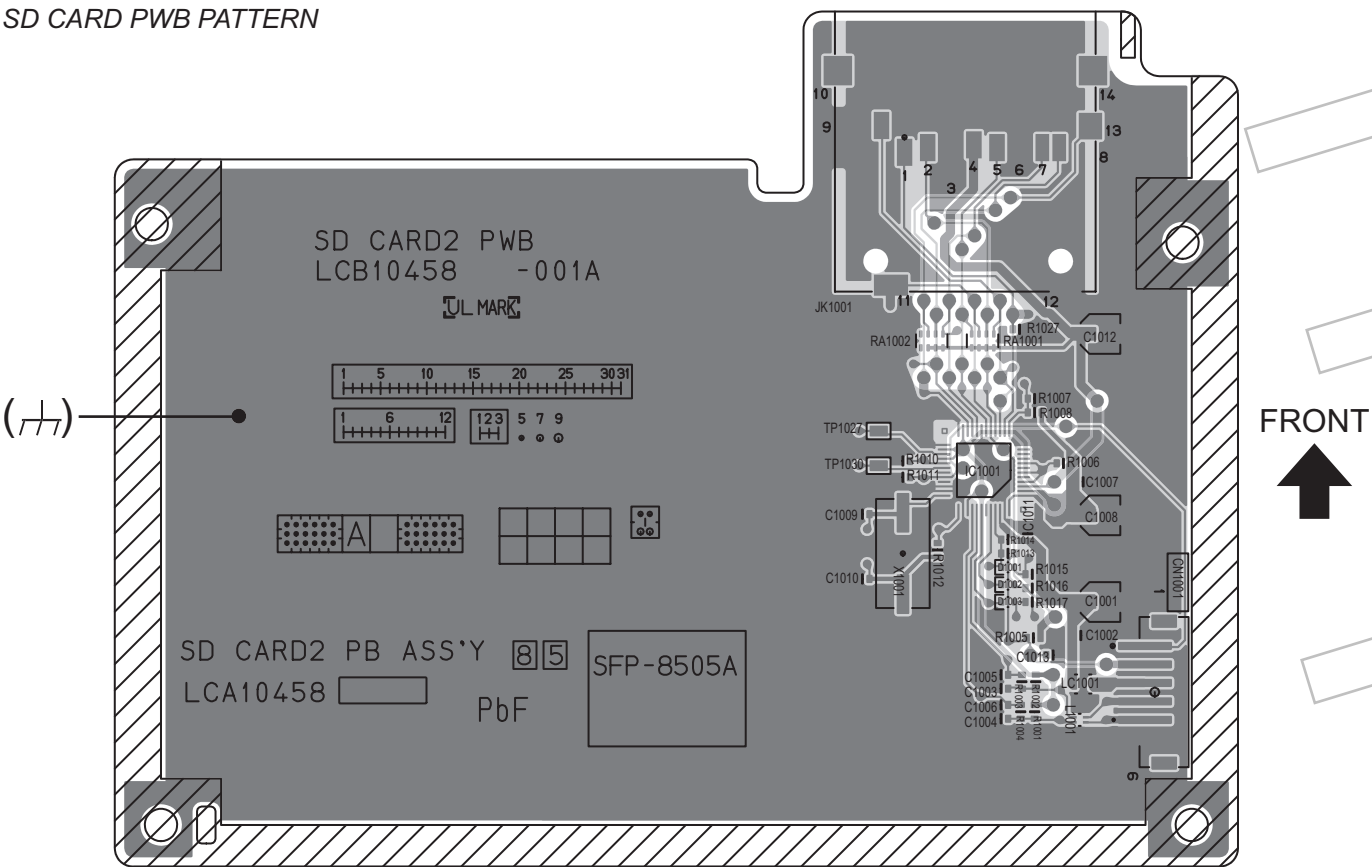


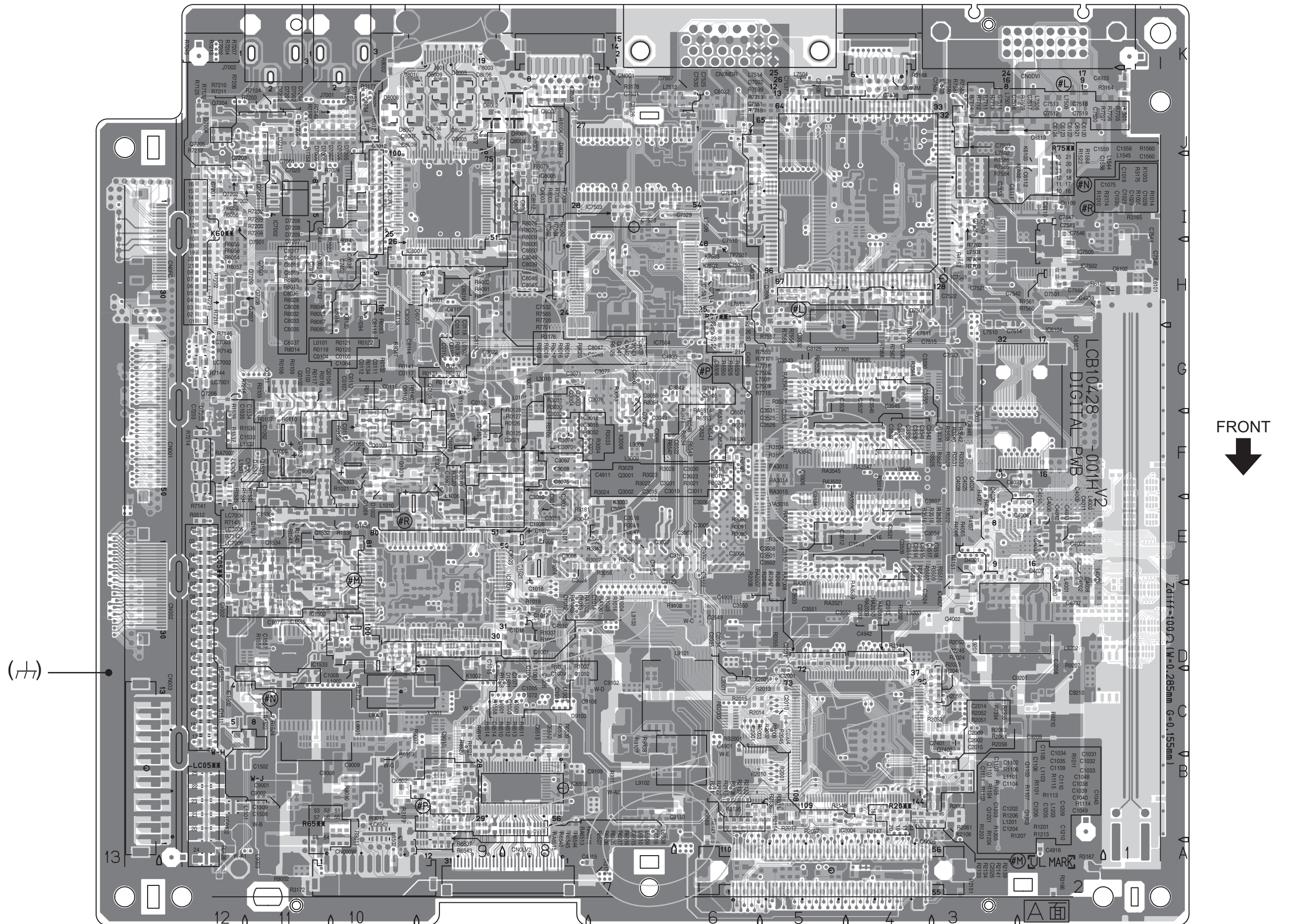


REAR JACK PWB PATTERN

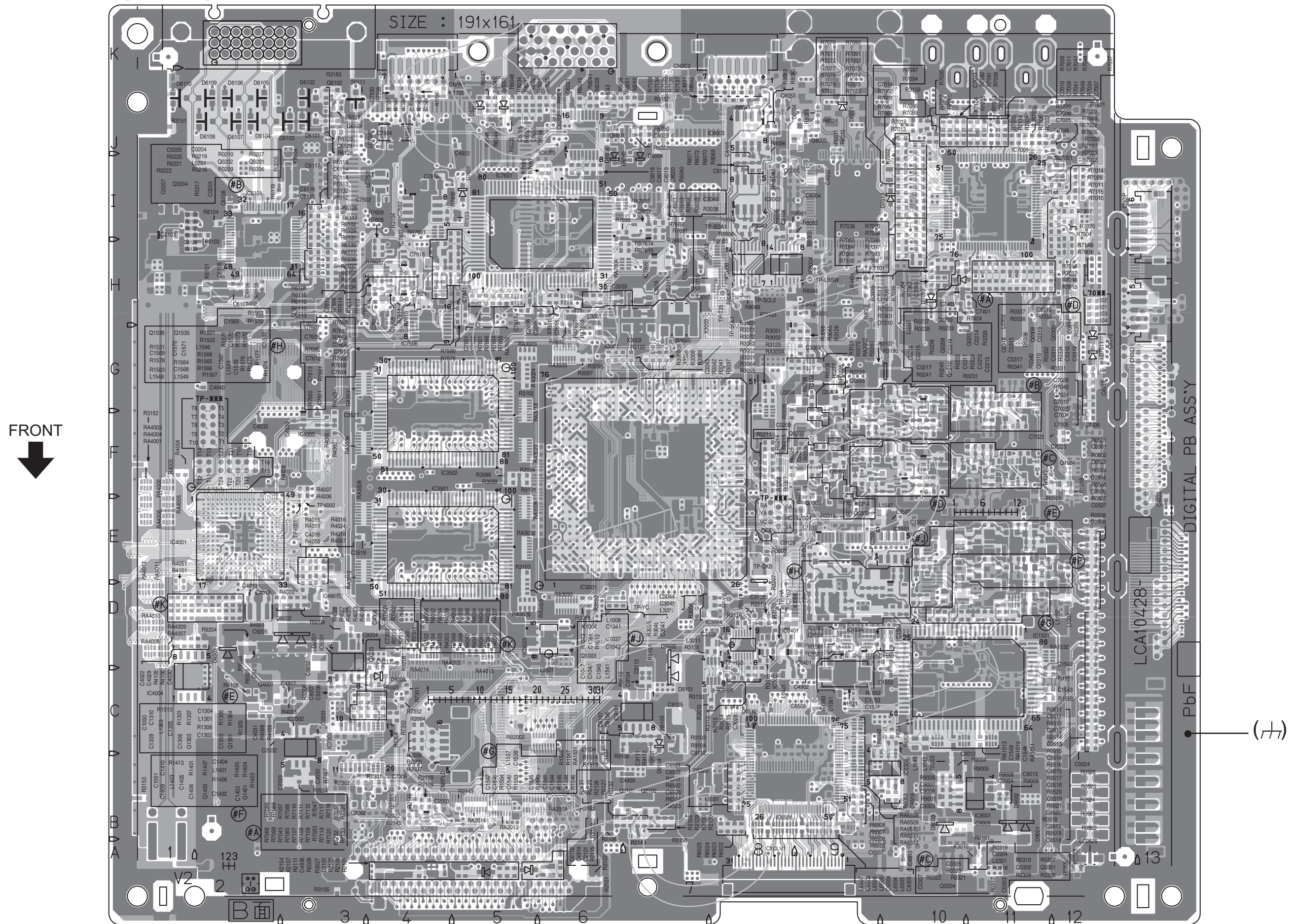


SD CARD PWB PATTERN



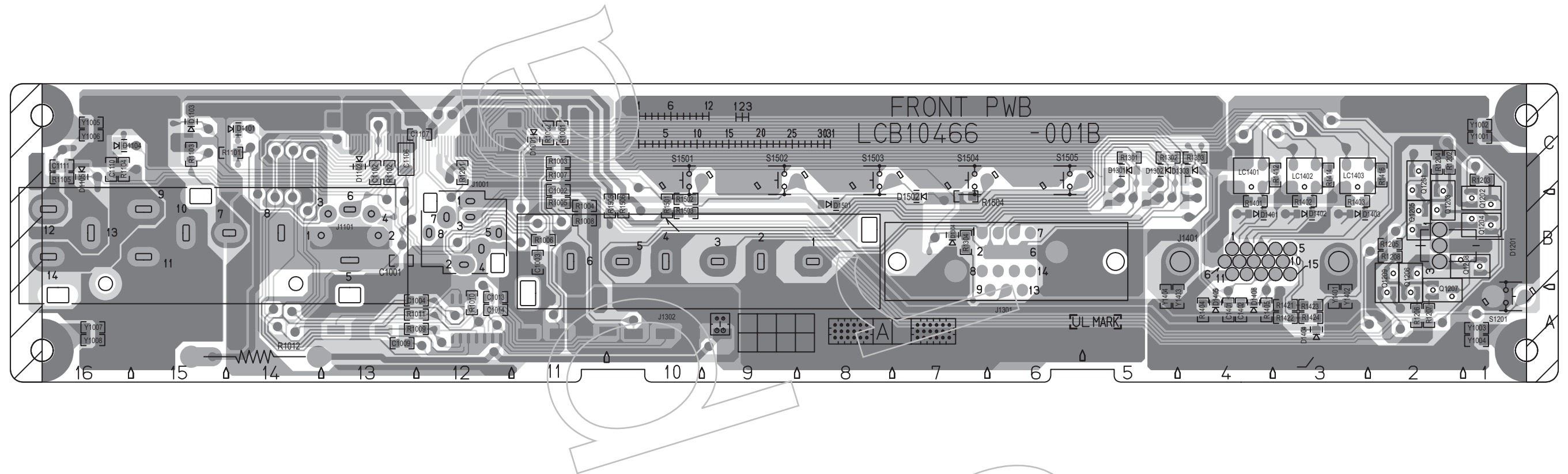




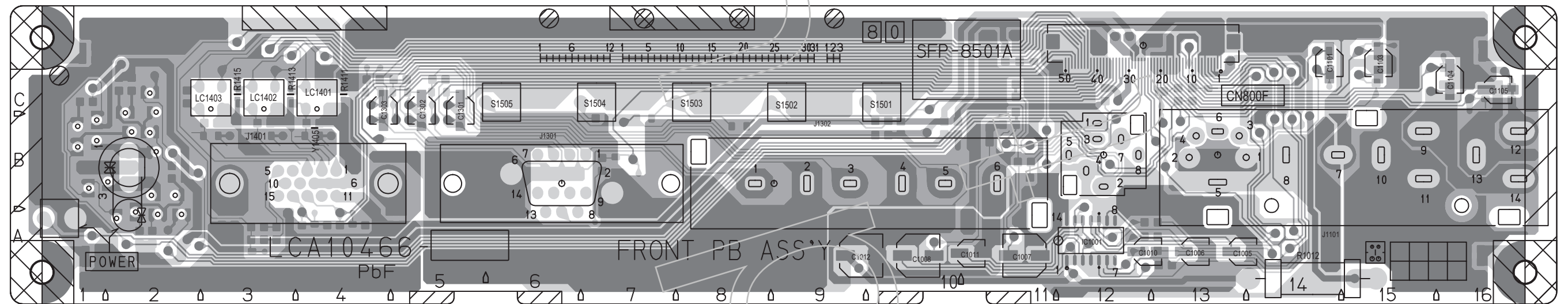




FRONT CONTROL PWB PATTERN [SOLDER SIDE]

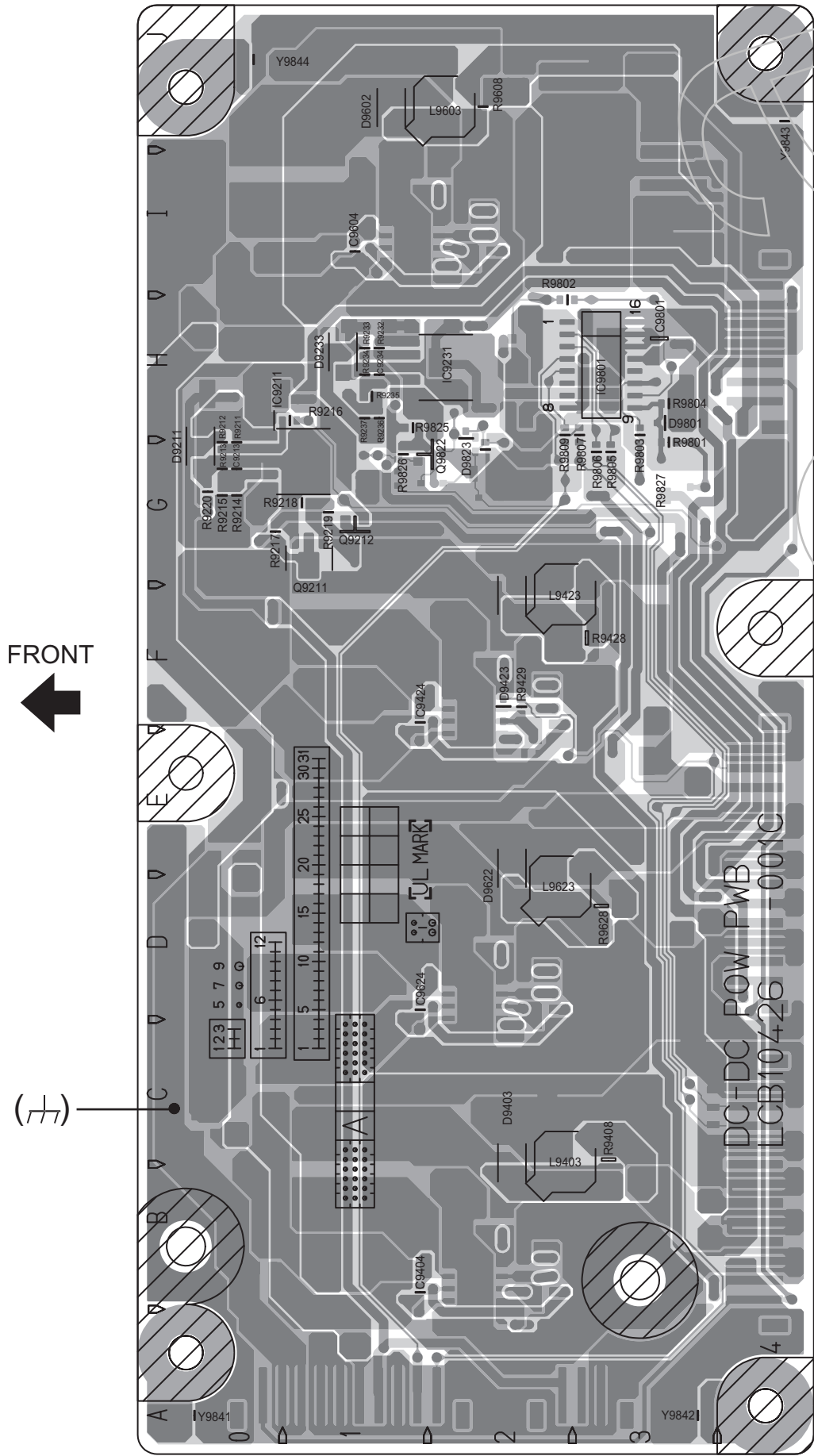


FRONT CONTROL PWB PATTERN [PARTS SIDE]

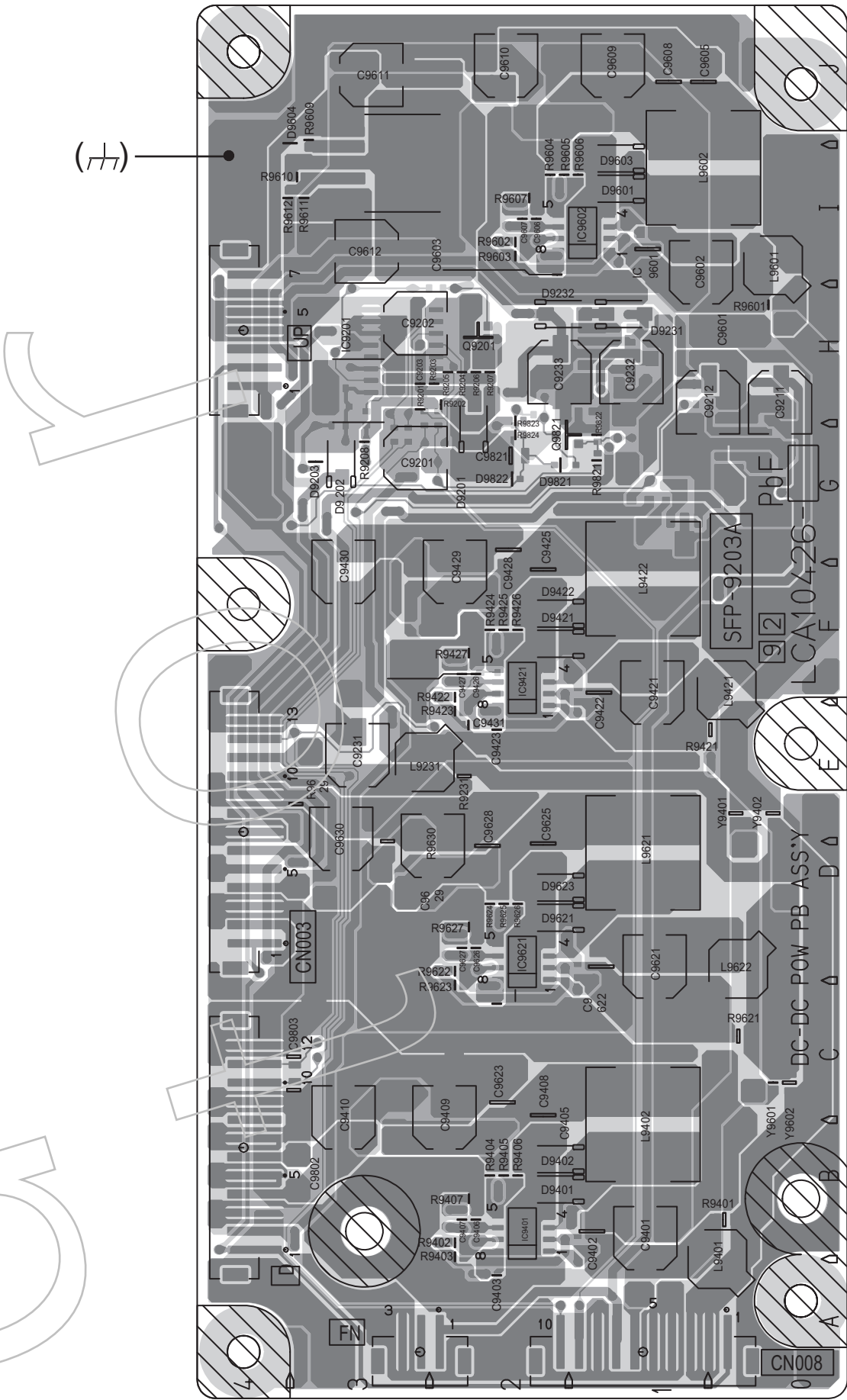


2-92(No.YA100)

REGULATOR PWB PATTERN [SOLDER SIDE]



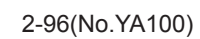
REGULATOR PWB PATTERN [PARTS SIDE]





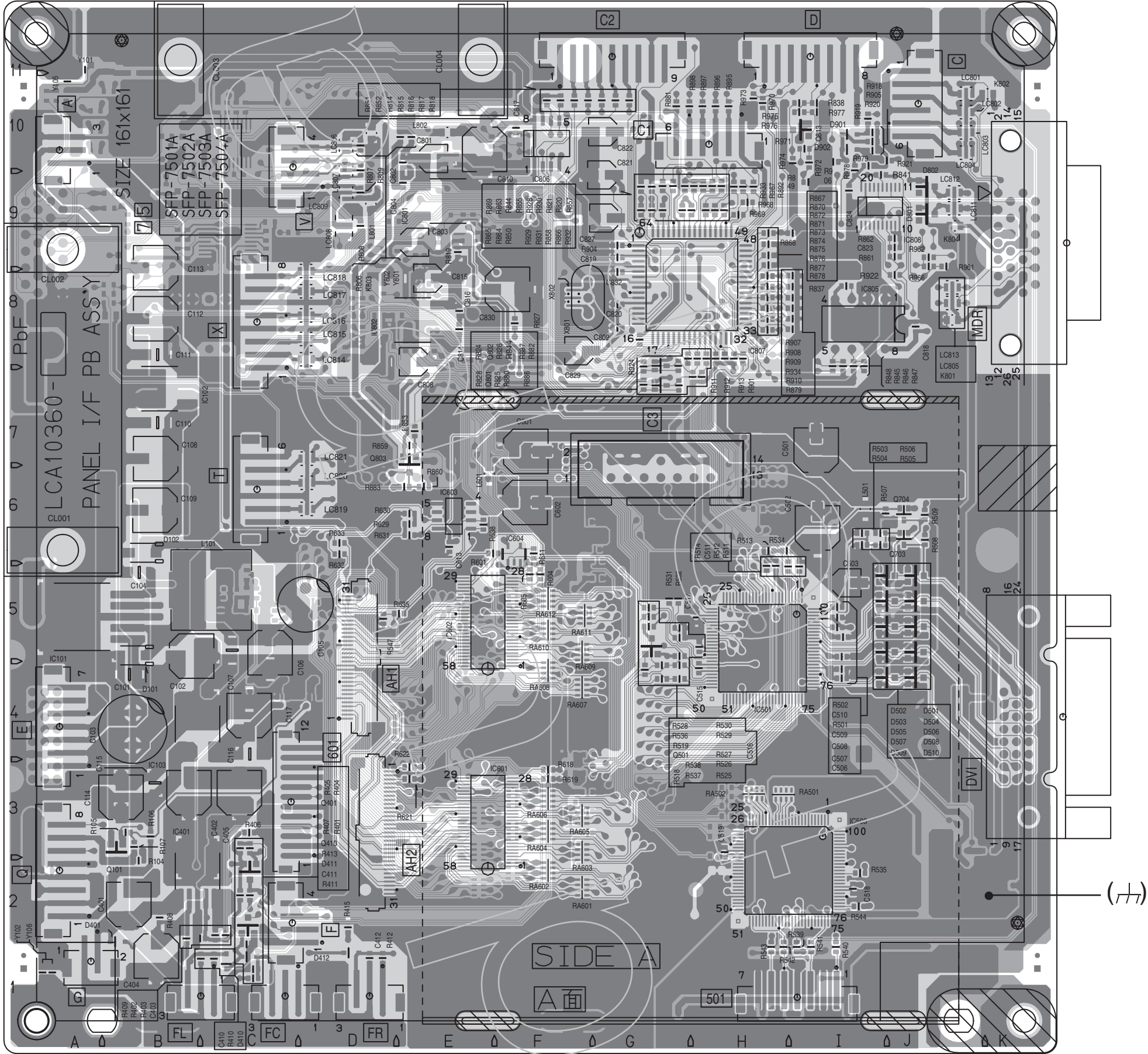
DISPLAY INTERFACE PWB PATTERN [SOLDER SIDE]

DISPLAY INTERFACE PWB PATTERN [SOLDER SIDE]

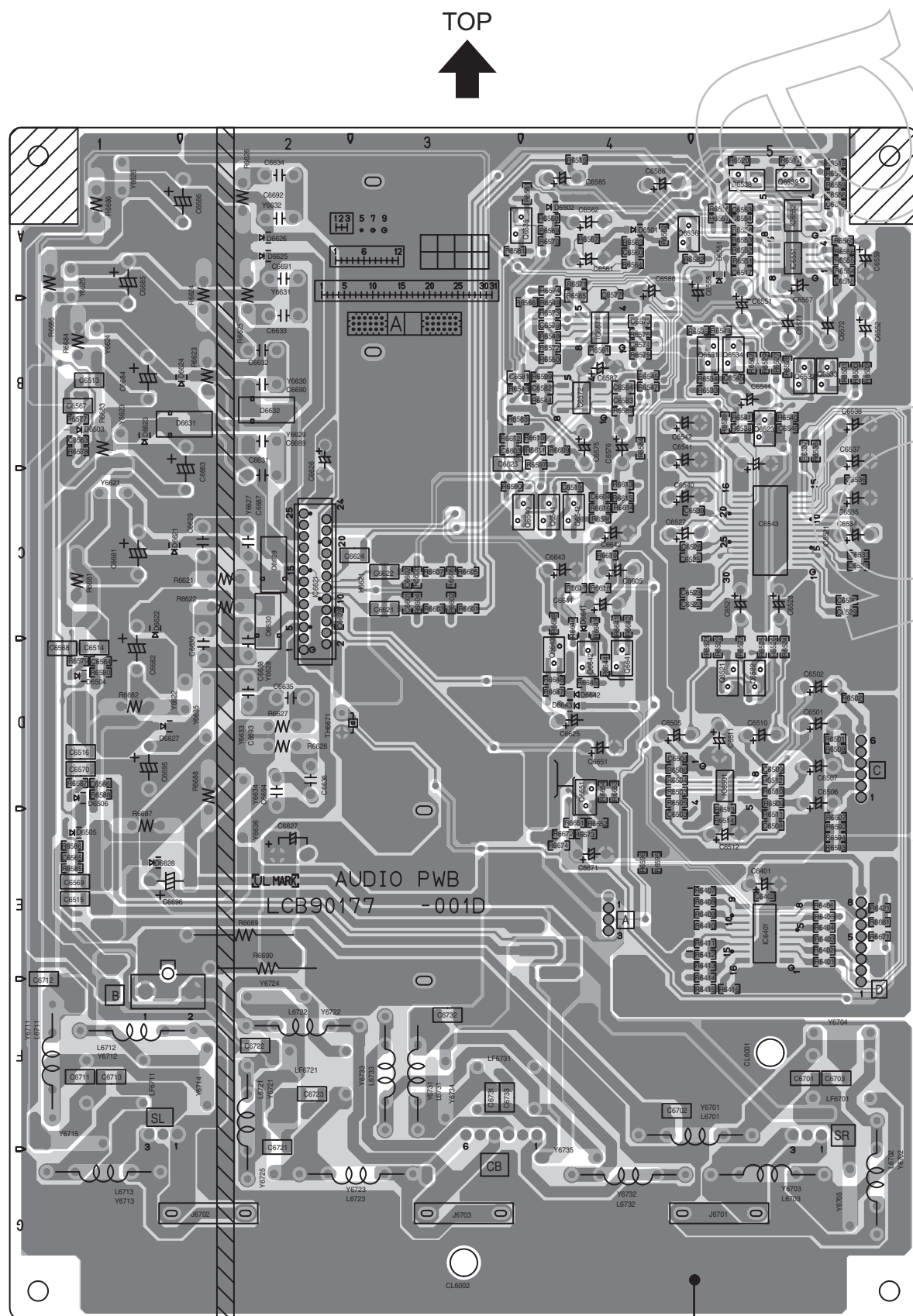




TOP  
←

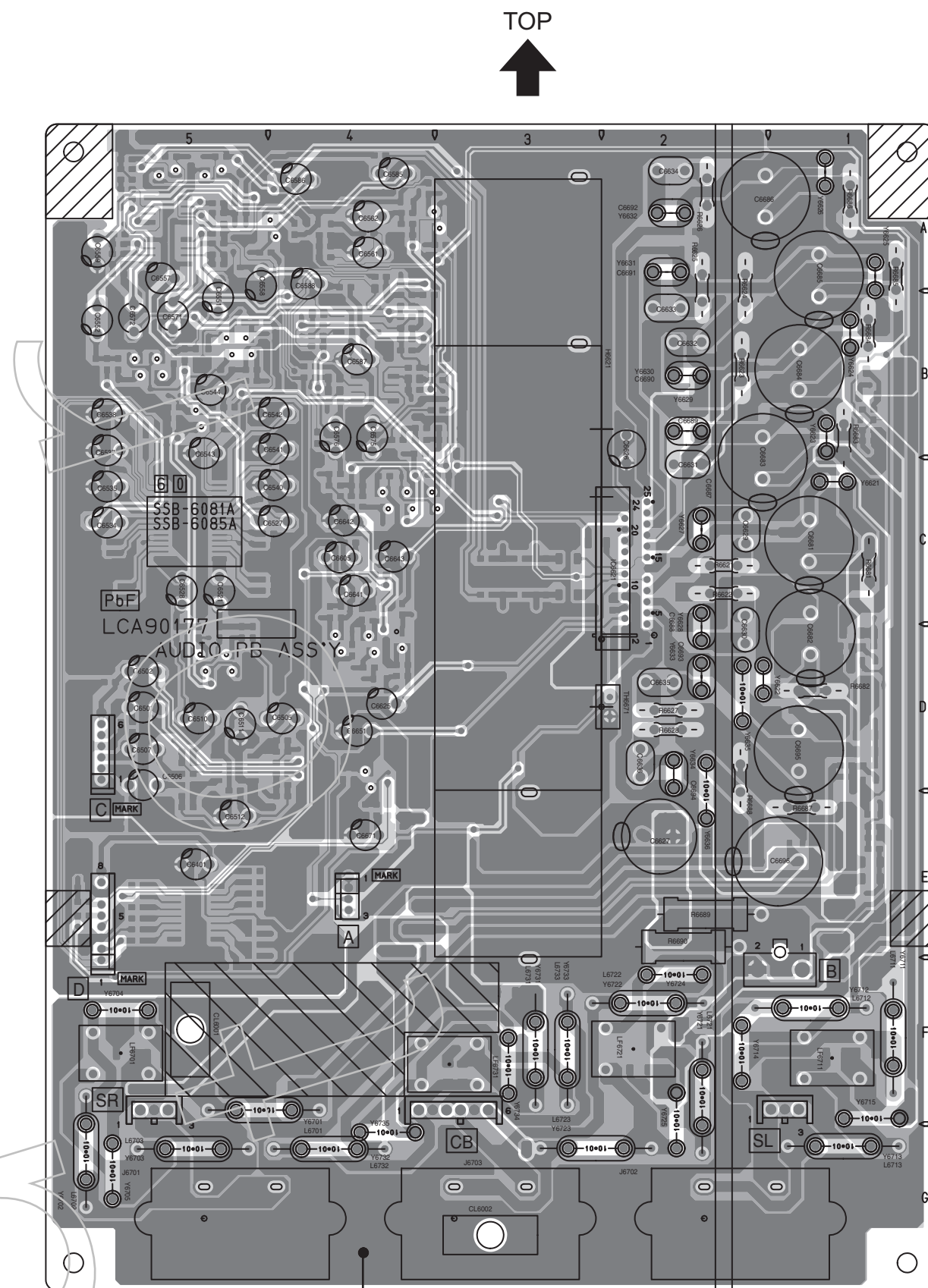


AUDIO PWB PATTERN [SOLDER SIDE]


$$\left( \begin{array}{c} | \\ \hline \hline \hline \end{array} \right)$$

(No.YA100)2-99

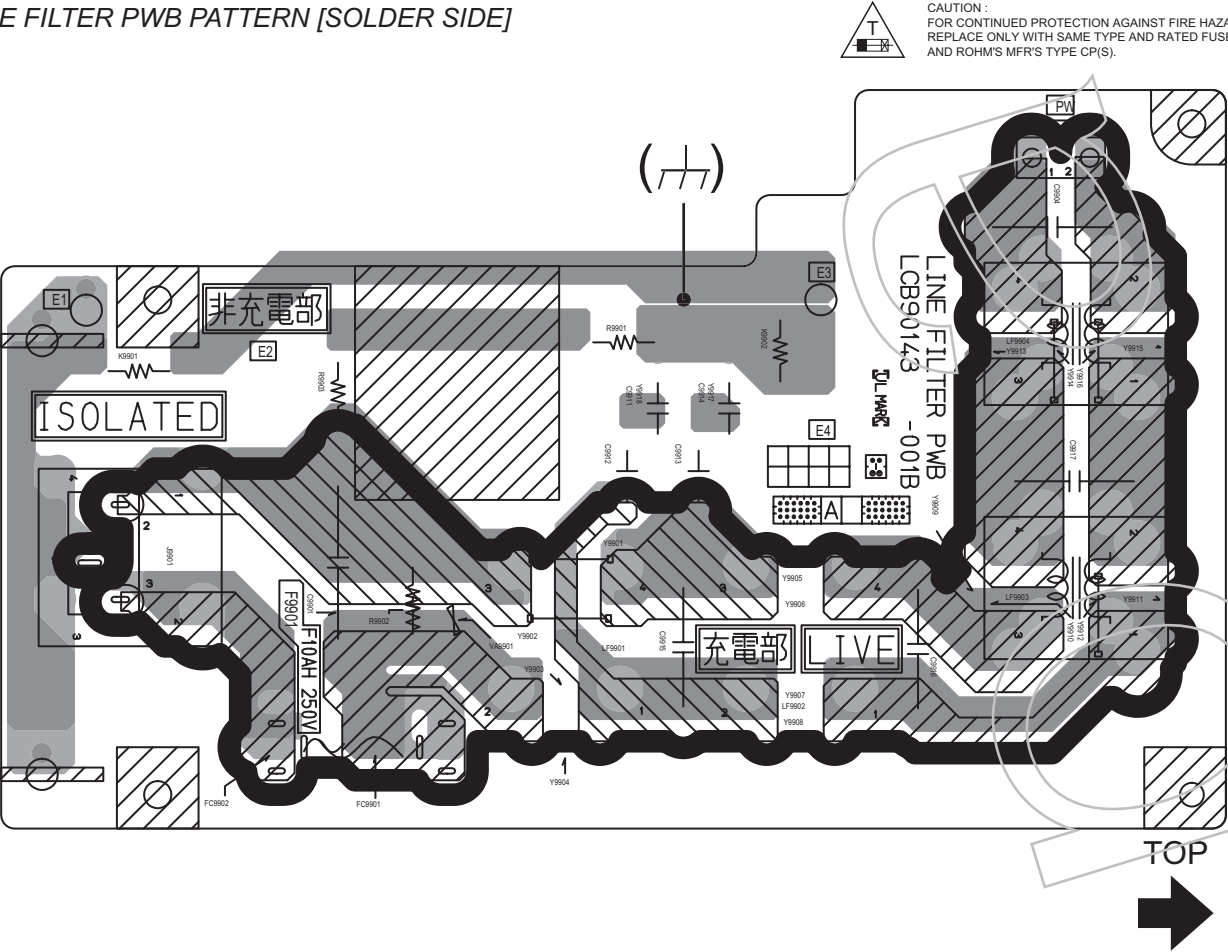
AUDIO PWB PATTERN [PARTS SIDE]


$$\left( \begin{array}{c} | \\ \hline // \end{array} \right)$$

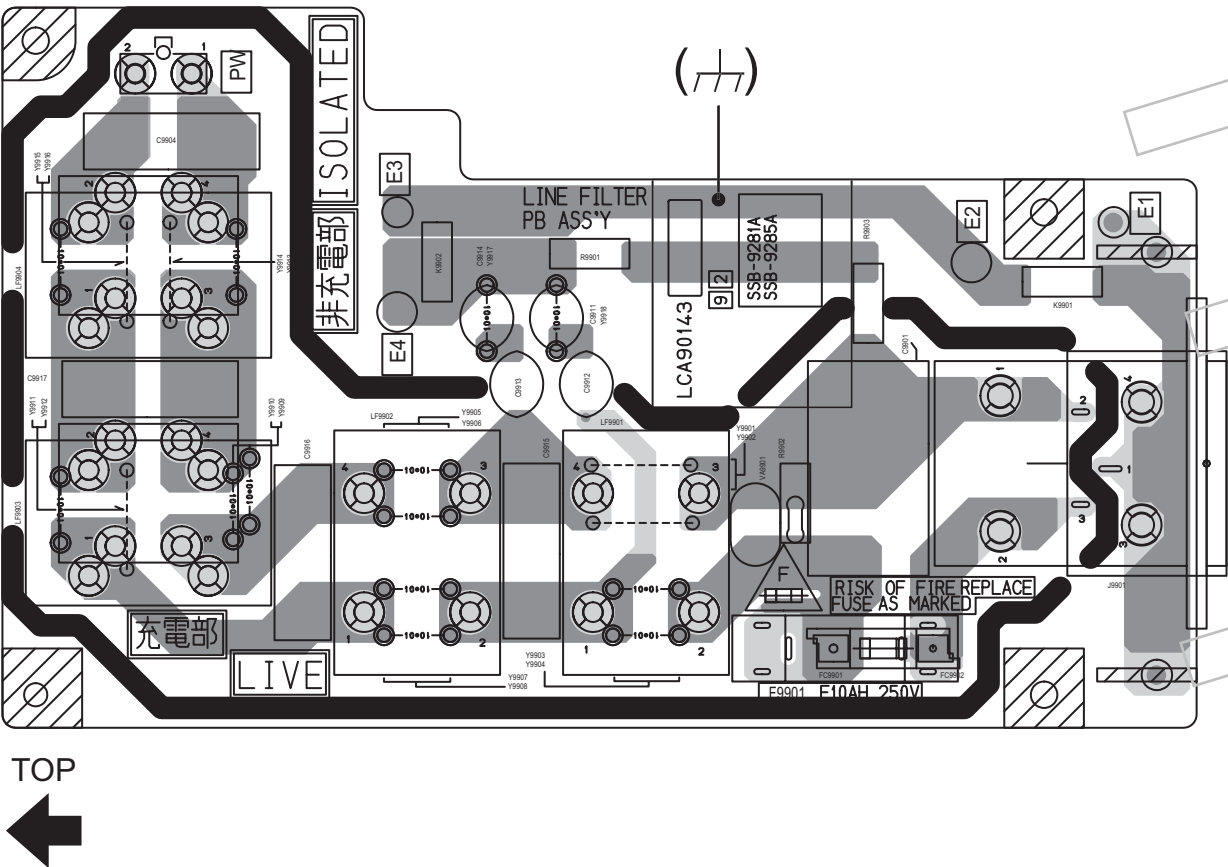
2-100(No.YA100)



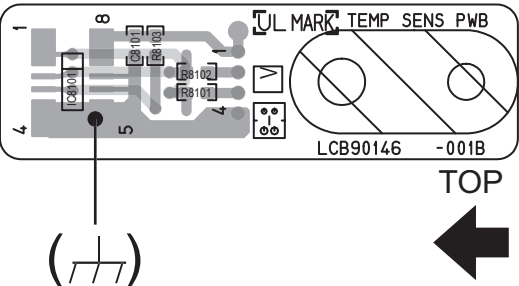
LINE FILTER PWB PATTERN [SOLDER SIDE]



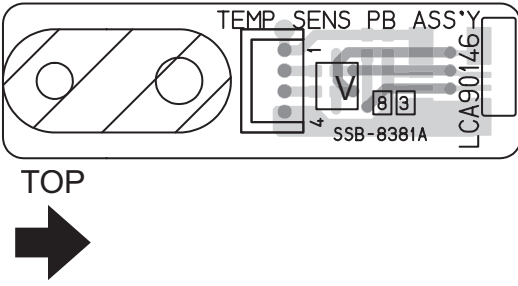
LINE FILTER PWB PATTERN [PARTS SIDE]



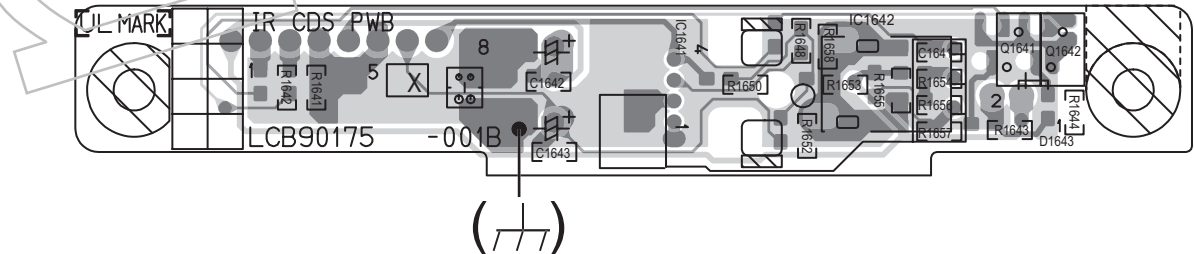
TEMP. SENSOR PWB PATTERN [SOLDER SIDE]



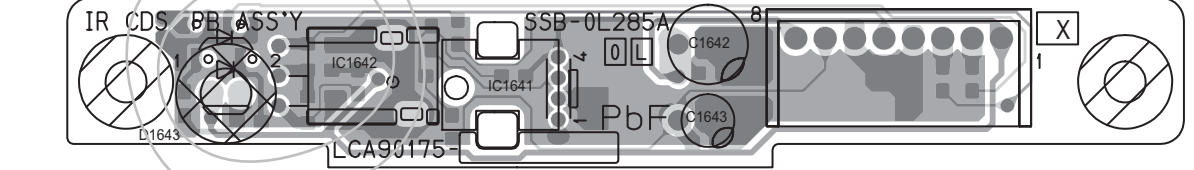
TEMP. SENSOR PWB PATTERN [PARTS SIDE]



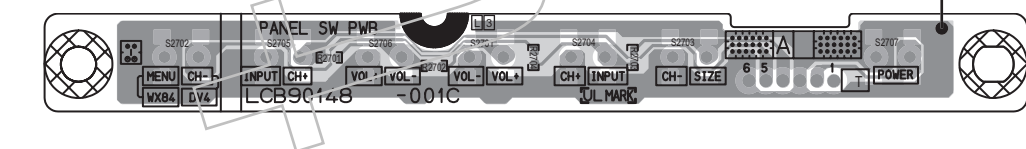
DISPLAY LED PWB PATTERN [SOLDER SIDE]



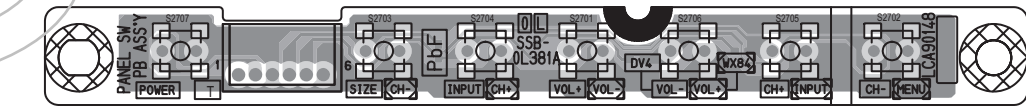
DISPLAY LED PWB PATTERN [PARTS SIDE]

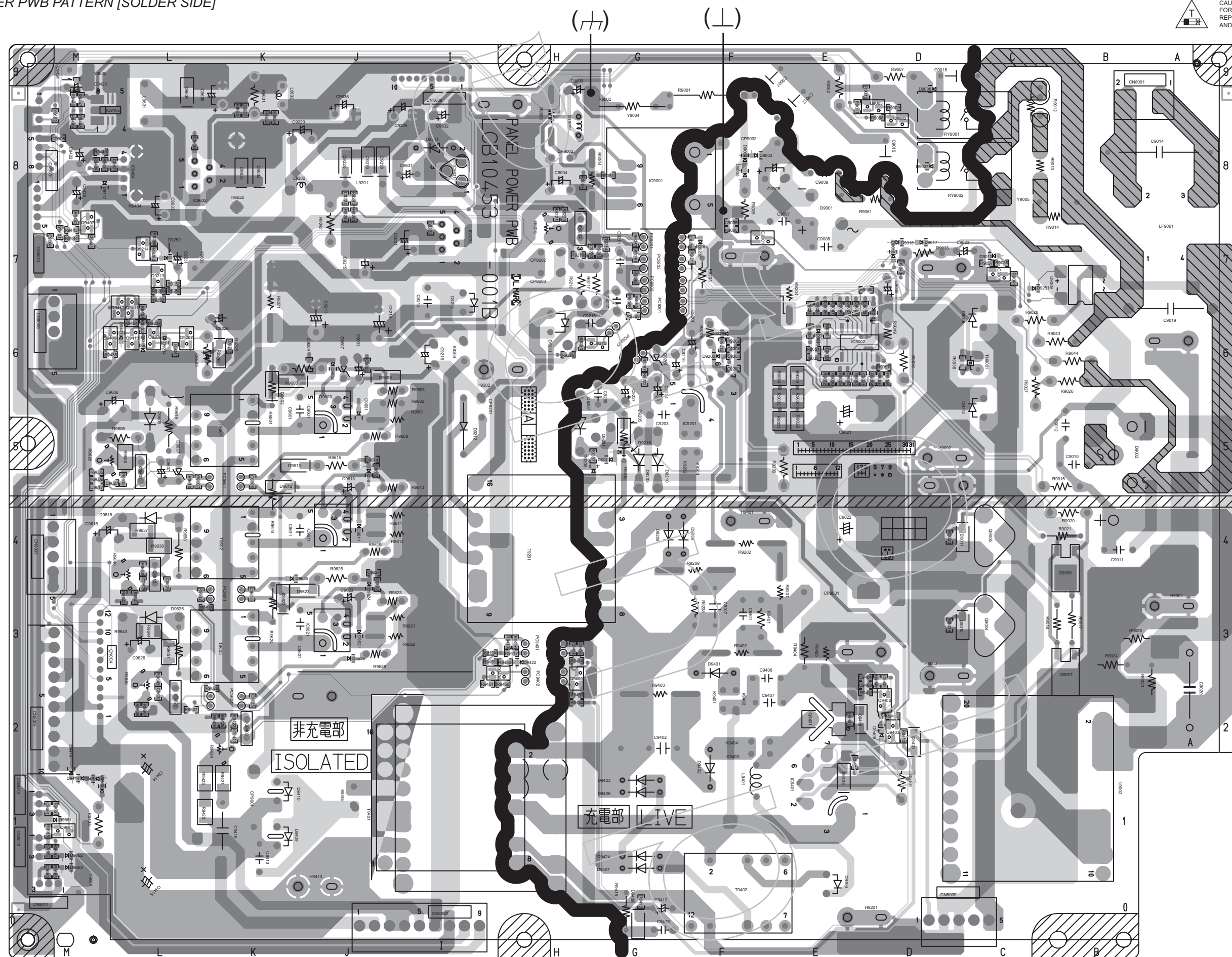


DISPLAY SWITCH PWB PATTERN [SOLDER SIDE]



DISPLAY SWITCH PWB PATTERN [PARTS SIDE]

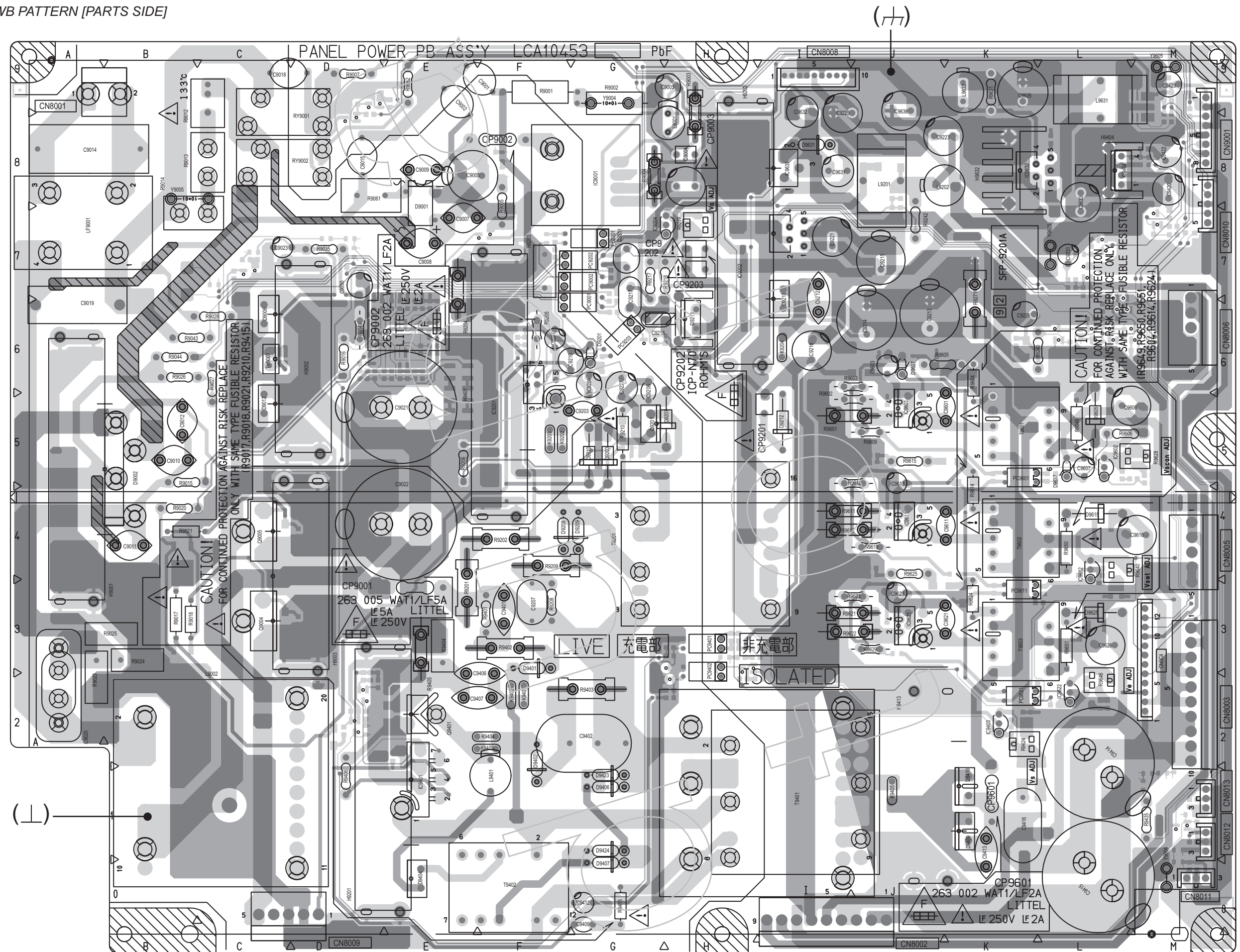


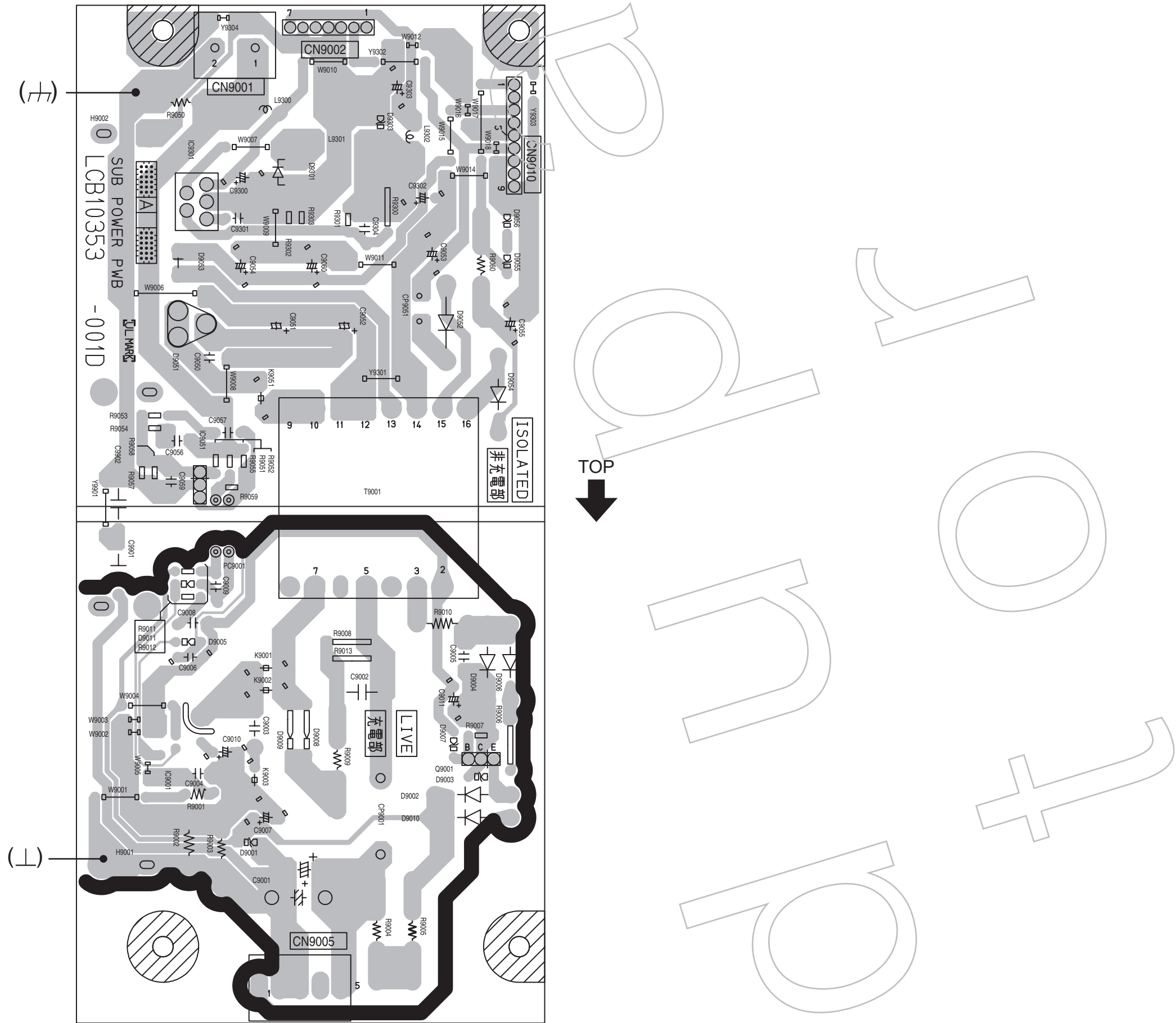


**CAUTION :**  
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,  
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)  
AND ROHM'S MFR'S TYPE CP(S).

TOP







VOLTAGE CHARTS [RECEIVER UNIT]

< RECEIVER PWB >

| [P.2-11 - P.2-12] |     | MODE<br>PIN NO. | DC (V) |
|-------------------|-----|-----------------|--------|
| IC3101            |     | Q3002           |        |
| 1                 | 4.1 | E               | 1.8    |
| 2                 | 4.1 | C               | 8.8    |
| 3                 | 4.1 | B               | 2.3    |
| 4                 | 4.1 | Q3109           |        |
| 5                 | 4.6 | E               | 0      |
| 6                 | 0   | C               | 8.8    |
| 7                 | 0   | B               | 0      |
| 8                 | 4.0 | Q3110           |        |
| 9                 | 4.0 | E               | 0      |
| 10                | 4.1 | C               | 0      |
| 11                | 3.9 | B               | 3.3    |
| 12                | 5.5 | Q3151           |        |
| 13                | 4.1 | E               | 4.7    |
| 14                | 1.3 | C               | 0      |
| 15                | 1.3 | B               | 4.1    |
| 16                | 0   | Q3152           |        |
| 17                | 0   | E               | 4.7    |
| 18                | 4.2 | C               | 0      |
| 19                | 8.9 | B               | 4.1    |
| 20                | 0   | TU3001          |        |
| 21                | 2.6 | 1               | 2.2    |
| 22                | 4.1 | 2               | 1.9    |
| 23                | 4.0 | 3               | 4.9    |
| 24                | 4.0 | 4               | 5.0    |
| 25                | 4.1 | 5               | 4.9    |
| 26                | 4.1 | 6               | 0      |
| 27                | 0   | 7               | 5.0    |
| 28                | 1.7 | 8               | 4.9    |
| 29                | 4.0 | 9               | 31.2   |
| 30                | 4.1 | 10              | 0      |
| 31                | 1.7 | 11              | 0      |
| 32                | 4.1 | 12              | 0      |
| 33                | 4.0 | 13              | 5.0    |
| 34                | 4.1 | 14              | 1.5    |
| 35                | 4.0 | 15              | 0      |
| 36                | 4.1 | 16              | 1.7    |
| 37                | 4.0 | 17              | 2.2    |
| 38                | 4.0 | 18              | 0      |
| 39                | 4.1 | 19              | 2.2    |
| 40                | 1.7 | 20              | 0      |
| 41                | 1.1 | 21              | 0      |
| 42                | 4.1 |                 |        |
| 43                | 4.1 |                 |        |
| 44                | 4.1 |                 |        |
| 45                | 4.0 |                 |        |
| 46                | 4.1 |                 |        |
| 47                | 4.1 |                 |        |
| 48                | 4.1 |                 |        |
| IC3102            |     | 1               | 4.4    |
| 1                 | 4.4 | 3               | 3.9    |
| 2                 | 4.4 | 4               | 4.4    |
| 3                 | 4.4 | 5               | 4.5    |
| 4                 | 0   | 6               | 0      |
| 5                 | 4.4 | 7               | 4.9    |
| 6                 | 4.4 | 8               | 4.0    |
| 7                 | 4.4 | 9               | 4.5    |
| 8                 | 8.8 | 10              | 4.1    |
| IC3103            |     | 11              | 4.4    |
| 1                 | 4.4 | 12              | 4.4    |
| 2                 | 4.4 | 13              | 0      |
| 3                 | 4.4 | 14              | 0      |
| 4                 | 0   | 15              | 3.9    |
| 5                 | 4.4 | 16              | 4.4    |
| 6                 | 4.4 | 17              | 3.9    |
| 7                 | 4.4 | 18              | 4.4    |
| 8                 | 8.8 | 19              | 4.4    |
| IC3104            |     | 20              | 0      |
| 1                 | 4.0 | 21              | 5.0    |
| 2                 | 4.4 | 22              | 3.9    |
| 3                 | 4.1 | 23              | 4.5    |
| 4                 | 4.4 | 24              | 3.9    |
| 5                 | 0   | 25              | 4.4    |
| 6                 | 0   | 26              | 4.4    |
| 7                 | 0   | 27              | 0      |
| 8                 | 4.4 | 28              | 4.9    |
| 9                 | 4.0 | 29              | 4.4    |
| 10                | 4.2 | 30              | 3.9    |
| 11                | 4.1 | 31              | 4.5    |
| 12                | 8.8 | 32              | 9.0    |
| 13                | 8.8 | 33              | 4.6    |
| 14                | 8.8 | 34              | 4.4    |
| IC3105            |     | 35              | 0      |
| 1                 | 4.4 | 36              | 4.4    |
| 2                 | 4.3 | 37              | 4.4    |
| 3                 | 4.4 | 38              | 4.5    |
| 4                 | 0   | 39              | 3.7    |
| 5                 | 4.4 | 40              | 4.5    |
| 6                 | 4.4 | 41              | 4.3    |
| 7                 | 4.4 | 42              | 9.0    |
| 8                 | 8.8 | 43              | 4.5    |
| Q3001             |     | 44              | 4.3    |
| E                 | 2.3 | 45              | 4.4    |
| C                 | 0   | 46              | 3.8    |
| B                 | 1.7 | 47              | 4.5    |
|                   |     | 48              | 0      |
|                   |     | 49              | 4.8    |

| MODE<br>PIN NO.   | DC (V) |
|-------------------|--------|
| 50                | 4.4    |
| 51                | 4.4    |
| 52                | 4.5    |
| 53                | 4.4    |
| 54                | 4.5    |
| 55                | 3.7    |
| 56                | 4.0    |
| 57                | 0      |
| 58                | 4.3    |
| 59                | 4.4    |
| 60                | 4.0    |
| 61                | 4.4    |
| 62                | 4.4    |
| 63                | 4.3    |
| 64                | 4.4    |
| IC502             |        |
| 1                 | 2.2    |
| 2                 | 2.1    |
| 3                 | 9.0    |
| 4                 | 2.3    |
| 5                 | 0      |
| 6                 | 9.0    |
| IC503             |        |
| 1                 | 2.9    |
| 2                 | 3.0    |
| 3                 | 9.0    |
| 4                 | 2.6    |
| 5                 | 0      |
| 6                 | 9.0    |
| IC504             |        |
| 1                 | 2.2    |
| 2                 | 2.1    |
| 3                 | 9.0    |
| 4                 | 2.2    |
| 5                 | 0      |
| 6                 | 9.0    |
| Q507              |        |
| E                 | 2.8    |
| C                 | 0      |
| B                 | 2.2    |
| Q509              |        |
| E                 | 2.5    |
| C                 | 0      |
| B                 | 1.9    |
| [P.2-15 - P.2-16] |        |
| MODE<br>PIN NO.   | DC (V) |
| 1                 | 0      |
| 2                 | 2.5    |
| 3                 | 4.6    |
| 4                 | 0.4    |
| 5                 | 2.2    |
| 6                 | 4.6    |
| 7                 | 0.3    |
| 8                 | 0      |
| 9                 | 2.4    |
| 10                | 0      |
| 11                | 5.0    |
| 12                | 5.0    |
| 13                | 0      |
| 14                | 4.5    |
| 15                | 4.6    |
| 16                | 5.0    |
| IC801             |        |
| 1                 | 2.3    |
| 2                 | 1.9    |
| 3                 | 1.4    |
| 4                 | 0.2    |
| 5                 | 2.2    |
| 6                 | 5.0    |
| 7                 | 2.5    |
| 8                 | 0      |
| 9                 | 0.2    |
| 10                | 0.8    |
| 11                | 2.4    |
| 12                | 5.0    |
| 13                | 4.6    |
| 14                | 4.6    |
| 15                | 0      |
| 16                | 0      |
| 17                | 0      |
| 18                | 0      |
| 19                | 0      |
| 20                | 2.4    |
| 21                | 1.6    |
| 22                | 1.8    |
| 23                | 1.8    |
| 24                | 0      |
| 25                | 2.2    |
| 26                | 1.9    |

| MODE<br>PIN NO. | DC (V) |
|-----------------|--------|
| 27              | 2.2    |
| 28              | 0      |
| 29              | 0      |
| 30              | 0      |
| 31              | 0      |
| 32              | 4.9    |
| 33              | 2.2    |
| 34              | 0      |
| 35              | 2.4    |
| 36              | 0      |
| 37              | 0      |
| 38              | 4.0    |
| 39              | 1.7    |
| 40              | 3.2    |
| 41              | 2.0    |
| 42              | 4.6    |
| 43              | 1.6    |
| 44              | 2.0    |
| 45              | 0      |
| 46              | 2.8    |
| 47              | 3.8    |
| 48              | 1.8    |
| IC802           |        |
| 1               | 1.2    |
| 2               | 3.1    |
| 3               | 4.9    |
| 4               | 2.5    |
| 5               | 0      |
| 6               | 1.8    |
| 7               | 2.3    |
| 8               | 0      |
| 9               | 0      |
| 10              | 0      |
| 11              | 4.9    |
| 12              | 0      |
| 13              | 5.0    |
| 14              | 0      |
| 15              | 4.5    |
| 16              | 4.6    |
| 17              | 0      |
| 18              | 0      |
| 19              | 0.6    |
| 20              | 0      |
| 21              | 4.5    |
| 22              | 2.9    |
| 23              | 2.8    |
| 24              | 3.3    |
| 25              | 3.3    |
| 26              | 0      |
| 27              | 3.7    |
| 28              | 1.5    |
| IC803           |        |
| 1               | 8.8    |
| 2               | 0      |
| 3               | 5.0    |
| 4               | 0.2    |
| 5               | 3.2    |
| IC203           |        |
| 1               | 0      |
| 2               | 0      |
| 3               | 0      |
| 4               | 0.2    |
| 5               | 3.2    |
| IC202           |        |
| 1               | 0.5    |
| 2               | 0.5    |
| 3               | 0      |
| 4               | 0.2    |
| 5               | 3.2    |
| IC201           |        |
| 1               | 8.8    |
| 2               | 0      |
| 3               | 5.0    |
| 4               | 0.2    |
| 5               | 3.2    |
| Q403            |        |
| S               | 3.0    |
| D               | 2.8    |
| G               | 4.5    |
| Q402            |        |
| S               | 3.0    |
| D               | 2.9    |
| G               | 4.6    |
| Q404            |        |
| S               | 3.0    |
| D               | 3.2    |
| G               | 4.9    |
| Q405            |        |
| S               | 3.0    |
| D               | 3.0    |
| G               | 4.9    |
| Q801            |        |
| E               | 2.7    |
| C               | 0      |
| B               | 2.2    |
| Q802            |        |
| E               | 2.6    |
| C               | 0      |
| B               | 2.0    |
| Q810            |        |
| E               | 2.0    |
| C               | 0      |
| B               | 1.4    |
| Q851            |        |
| E               | 1.6    |
| C               | 0      |
| B               | 1.0    |
| Q853            |        |
| E               | 2.0    |
| C               | 8.8    |
| B               | 2.6    |
| Q854            |        |
| E               | 2.6    |
| C               | 8.8    |
| B               | 3.3    |

| MODE<br>PIN NO.   | DC (V) |
|-------------------|--------|
| Q855              |        |
| E                 | 1.9    |
| C                 | 0      |
| B                 | 1.3    |
| Q858              |        |
| E                 | 3.0    |
| C                 | 8.8    |
| B                 | 3.6    |
| Q859              |        |
| E                 | 3.6    |
| C                 | 0      |
| B                 | 3.0    |
| Q862              |        |
| E                 | 1.0    |
| C                 | 4.0    |
| B                 | 1.5    |
| Q863              |        |
| E                 | 3.4    |
| C                 | 5.0    |
| B                 | 4.0    |
| [P.2-17 - P.2-18] |        |
| MODE<br>PIN NO.   | DC (V) |
| 1                 | 0.3    |
| 2                 | 0.2    |
| 3                 | 0      |
| 4                 | 0      |
| 5                 | 0      |
| 6                 | 0      |
| 7                 | 6.0    |
| 8                 | 0      |
| 9                 | 4.6    |
| 10                | 0      |
| 11                | 8.7    |
| 12                | 1.2    |
| 13                | 0      |
| 14                | 0      |
| 15                | 0.1    |
| 16                | 0      |
| 17                | 0      |
| 18                | 0      |
| 19                | 0.6    |
| 20                | 0      |
| 21                | 4.5    |
| 22                | 2.9    |
| 23                | 2.8    |
| 24                | 3.3    |
| 25                | 3.3    |
| 26                | 0      |
| 27                | 3.7    |
| 28                | 1.5    |
| IC803             |        |
| 1                 | 8.8    |
| 2                 | 0      |
| 3                 | 5.0    |
| 4                 | 0.2    |
| 5                 | 3.2    |
| IC203             |        |
| 1                 | 0      |
| 2                 | 0      |
| 3                 | 0      |
| 4                 | 0.2    |
| 5                 | 3.2    |
| IC202             |        |
| 1                 | 0.5    |
| 2                 | 0.5    |
| 3                 | 0      |
| 4                 | 0.2    |
| 5                 | 3.2    |
| IC201             |        |
| 1                 | 8.8    |
| 2                 | 0      |
| 3                 | 5.0    |
| 4                 | 0.2    |
| 5                 | 3.2    |
| Q403              |        |
| S                 | 3.0    |
| D                 | 2.8    |
| G                 | 4.5    |
| Q402              |        |
| S                 | 3.0    |
| D                 | 2.9    |
| G                 | 4.6    |
| Q404              |        |
| S                 | 3.0    |
| D                 | 3.2    |
| G                 | 4.9    |
| Q405              |        |
| S                 | 3.0    |
| D                 | 3.0    |
| G                 | 4.9    |
| Q801              |        |
| E                 | 2.7    |
| C                 | 0      |
| B                 | 2.2    |
| Q802              |        |
| E                 | 2.6    |
| C                 | 0      |
| B                 | 2.0    |
| Q810              |        |
| E                 | 2.0    |
| C                 | 0      |
| B                 | 1.4    |
| Q851              |        |
| E                 | 1.6    |
| C                 | 0      |
| B                 | 1.0    |
| Q853              |        |
| E                 | 2.0    |
| C                 | 8.8    |
| B                 | 2.6    |
| Q854              |        |
| E                 | 2.6    |
| C                 | 8.8    |
| B                 | 3.3    |

| MODE<br>PIN NO.   | DC (V) |
|-------------------|--------|
| 18                | 4.6    |
| 19                | 0      |
| 20                | 4.4    |
| 21                | 4.4    |
| 22                | 0      |
| 23                | 4.4    |
| 24                | 4.4    |
| 25                | 0      |
| 26                | 4.3    |
| 27                | 4.3    |
| 28                | 0      |
| 29                | 0      |
| 30                | 4.3    |
| 31                | 8.8    |
| 32                | 4.4    |
| 33                | 4.5    |
| 34                | 0      |
| 35                | 4.4    |
| 36                | 4.4    |
| 37                | 0      |
| 38                | 4.5    |
| 39                | 0      |
| 40                | 4.4    |
| 41                | 4.4    |
| 42                | 0      |
| 43                | 4.5    |
| 44                | 4.5    |
| 45                | 0      |
| 46                | 4.5    |
| 47                | 8.9    |
| 48                | 4.6    |
| 49                | 0      |
| 50                | 4.3    |
| 51                | 0      |
| 52                | 4.6    |
| 53                | 0      |
| 54                | 4.4    |
| 55                | 4.4    |
| 56                | 0      |
| 57                | 4.6    |
| 58                | 0      |
| 59                | 4.6    |
| 60                | 0      |
| 61                | 4.5    |
| 62                | 4.3    |
| 63                | 4.4    |
| 64                | 4.4    |
| 65                | 0      |
| 66                | 4.6    |
| 67                | 4.5    |
| 68                | 4.5    |
| 69                | 0      |
| 70                | 4.4    |
| 71                | 4.4    |
| 72                | 0      |
| 73                | 5.0    |
| 74                | 4.6    |
| 75                | 4.6    |
| 76                | 4.6    |
| 77                | 0      |
| 78                | 4.3    |
| 79                | 4.4    |
| 80                | 0      |
| IC611             |        |
| 1                 | 4.4    |
| 2                 | 4.4    |
| 3                 | 4.4    |
| 4                 | 0      |
| 5                 | 0.6    |
| 6                 | 0      |
| 7                 | 0      |
| 8                 | 4.4    |
| 8                 | 8.8    |
| IC612             |        |
| 1                 | 4.4    |
| 2                 | 4.4    |
| 3                 | 4.4    |
| 4                 | 0      |
| 5                 | 4.4    |
| 6                 | 4.4    |
| 7                 | 4.4    |
| 8                 | 8.8    |
| Q307              |        |
| E                 | 2.8    |
| C                 | 0      |
| B                 | 2.2    |
| [P.2-21 - P.2-22] |        |
| MODE<br>PIN NO.   | DC (V) |
| 1                 | 4.9    |
| 2                 | 3.2    |
| 3                 | 0      |
| 4                 | 0      |
| 5                 | 9.6    |
| 6                 | 8.9    |
| 7                 | 8.8    |

| < REAR JACK PWB >      |     |                 |        |
|------------------------|-----|-----------------|--------|
| [P.2-23 - P.2-24]      |     |                 |        |
| MODE<br>PIN NO.        |     | MODE<br>PIN NO. | DC (V) |
| Q2055                  |     | Q2055           |        |
| E                      | 0   | E               | 0      |
| C                      | 0   | C               | 0      |
| B                      | 0   | B               | 0      |
| Q2201                  |     | Q2201           |        |
| E                      | 0   | E               | 0      |
| C                      | 0   | C               | 0      |
| B                      | 0   | B               | 0      |
| Q2203                  |     | Q2203           |        |
| E                      | 0   | E               | 0      |
| C                      | 0   | C               | 0      |
| B                      | 0   | B               | 0      |
| Q2204                  |     | Q2204           |        |
| E                      | 0   | E               | 0      |
| C                      | 0   | C               | 0      |
| B                      | 0   | B               | 0      |
| Q2205                  |     | Q2205           |        |
| E                      | 0   | E               | 0      |
| C                      | 0   | C               | 0      |
| B                      | 0   | B               | 0      |
| < DIGITAL SIGNAL PWB > |     |                 |        |
| [P.2-27 - P.2-28]      |     |                 |        |
| MODE<br>PIN NO.        |     | MODE<br>PIN NO. | DC (V) |
| IC0401                 |     | IC0401          |        |
| 1                      | 3.2 | 1               | 3.2    |
| 2                      | 0.2 | 2               | 0.2    |
| 3                      | 0   | 3               | 0      |
| 4                      | 3.2 | 4               | 3.2    |
| 5                      | 3.3 | 5               | 3.3    |
| Q0201                  |     | Q0201           |        |
| E                      | 3.7 | E               | 3.7    |
| C                      | 7.7 | C               | 7.7    |
| B                      | 4.4 | B               | 4.4    |
| Q0202                  |     | Q0202           |        |
| E                      | 8.4 | E               | 8.4    |
| C                      | 4.9 | C               | 4.9    |
| B                      | 7.8 | B               | 7.8    |
| Q0203                  |     | Q0203           |        |
| E                      | 0   | E               | 0      |
| C                      | 1.8 | C               | 1.8    |
| B                      | 0   | B               | 0      |
| Q0204                  |     | Q0204           |        |
| E                      | 5.6 | E               | 5.6    |
| C                      | 0   | C               | 0      |
| B                      | 4.9 | B               | 4.9    |
| Q0207                  |     | Q0207           |        |
| E                      | 2.5 | E               | 2.5    |
| C                      | 0   | C               | 0      |
| B                      | 1.9 | B               | 1.9    |
| Q0208                  |     | Q0208           |        |
| E                      | 1.5 | E               | 1.5    |
| C                      | 9.0 | C               | 9.0    |
| B                      | 2.3 | B               | 2.3    |
| Q0209                  |     | Q0209           |        |
| 1                      | 2.4 | 1               | 2.4    |
| 2                      | 0   | 2               | 0      |
| 3                      | 2.4 | 3               | 2.4    |
| 4                      | 2.4 | 4               | 2.4    |
| 5                      | 0   | 5               | 0      |
| 6                      | 2.5 | 6               | 2.5    |
| Q0210                  |     | Q0210           |        |
| 1                      | 0   | 1               | 0      |
| 2                      | 0.6 | 2               | 0.6    |
| 3                      | 0.6 | 3               | 0.6    |
| 4                      | 0   | 4               | 0      |
| 5                      | 0.6 | 5               | 0.6    |
| 6                      | 0   | 6               | 0      |
| Q0301                  |     | Q0301           |        |
| E                      | 3.7 | E               | 3.7    |
| C                      | 7.7 | C               | 7.7    |
| B                      | 4.4 | B               | 4.4    |
| Q0302                  |     | Q0302           |        |
| E                      | 8.4 | E               | 8.4    |
| C                      | 4.9 | C               | 4.9    |
| B                      | 7.7 | B               | 7.7    |
| Q0303                  |     | Q0303           |        |
| E                      | 0   | E               | 0      |
| C                      | 1.9 | C               | 1.9    |
| B                      | 0   | B               | 0      |
| Q0304                  |     | Q0304           |        |
| E                      | 5.6 | E               | 5.6    |
| C                      | 0   | C               | 0      |
| B                      | 4.9 | B               | 4.9    |
| Q0307                  |     | Q0307           |        |
| E                      | 2.5 | E               | 2.5    |
| C                      | 0   | C               | 0      |
| B                      | 1.9 | B               | 1.9    |
| Q0308                  |     | Q0308           |        |
| E                      | 1.7 | E               | 1.7    |
| C                      | 9.0 | C               | 9.0    |
| B                      | 2.3 | B               | 2.3    |







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(No.YA100)



Printed in Japan  
VPT

# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| RESISTORS |  | CAPACITORS      |   |
|-----------|--|-----------------|---|
| CR        | Carbon Resistor                                  | C CAP.          | Ceramic Capacitor                             |
| FR        | Fusible Resistor                                 | E CAP.          | Electrolytic Capacitor                        |
| PR        | Plate Resistor                                   | M CAP.          | Mylar Capacitor                               |
| VR        | Variable Resistor                                | CH CAP.         | Chip Capacitor                                |
| HV R      | High Voltage Resistor                            | HV CAP.         | High Voltage Capacitor                        |
| MF R      | Metal Film Resistor                              | MF CAP.         | Metalized Film Capacitor                      |
| MG R      | Metal Glazed Resistor                            | MM CAP.         | Metalized Mylar Capacitor                     |
| MP R      | Metal Plate Resistor                             | MP CAP.         | Metalized Polystyroi Capacitor                |
| OM R      | Metal Oxide Film Resistor                        | PP CAP.         | Polypropylene Capacitor                       |
| CMF R     | Coating Metal Film Resistor                      | PS CAP.         | Polystyrol Capacitor                          |
| UNF R     | Non-Flammable Resistor                           | TF CAP.         | Thin Film Capacitor                           |
| CH V R    | Chip Variable Resistor                           | MPP CAP.        | Metalized Polypropylene Capacitor             |
| CH MG R   | Chip Metal Glazed Resistor                       | TAN. CAP.       | Tantalum Capacitor                            |
| COMP. R   | Composition Resistor                             | CH C CAP.       | Chip Ceramic Capacitor                        |
| LPTC R    | Linear Positive Temperature Coefficient Resistor | BP E CAP.       | Bi-Polar Electrolytic Capacitor               |
|           |  | CH AL E CAP.    | Chip Aluminum Electrolytic Capacitor          |
|           |  | CH AL BP CAP.   | Chip Aluminum Bi-Polar Capacitor              |
|           |  | CH TAN. E CAP.  | Chip Tantalum Electrolytic Capacitor          |
|           |  | CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

| RESISTORS |     |     |      |      |      |              |              |              |              |
|-----------|-----|-----|------|------|------|--------------|--------------|--------------|--------------|
| F         | G   | J   | K    | M    | N    | R            | H            | Z            | P            |
| ±1%       | ±2% | ±5% | ±10% | ±20% | ±30% | +30%<br>-10% | +50%<br>-10% | +80%<br>-20% | +100%<br>-0% |

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# DISPLAY UNIT

## USING P.W. BOARD & REMOTE CONTROL UNIT

| P.W.B ASS'Y name        | VM-42X795/S  | VM-50X795/Z    |
|-------------------------|--------------|----------------|
| DISPLAY INTERFACE P.W.B | SFP-7504A-M2 | SFP-7503A-M2   |
| AUDIO P.W.B             | SFP-6502A-M2 | SFP-6501A-M2   |
| TEMP. SENSOR P.W.B      | SSB-8381A-M2 | ←              |
| DISPLAY LED P.W.B       | SSB0L285A-M2 | ←              |
| DISPLAY SWITCH P.W.B    | SSB0L385A-M2 | ←              |
| LINE FILTER P.W.B       | SFP-9509A-M2 | SFP-9508A-M2   |
| MAIN POWER P.W.B        | SFP-9503A-M2 | —              |
| SUB POWER P.W.B         | SFP-9505A-M2 | ←              |
| <b>PDP UNIT</b>         |              |                |
| X-MAIN P.W.B            | LJ92-00980A  | —              |
| Y-MAIN P.W.B            | LJ92-01260A  | —              |
| E-BUFFER P.W.B          | LJ92-00895A  | —              |
| F-BUFFER P.W.B          | LJ92-00896A  | —              |
| LOGIC-MAIN P.W.B        | LJ92-00990A  | —              |
| Y-BUFFER-U P.W.B        | LJ92-00993A  | —              |
| Y-BUFFER-L P.W.B        | LJ92-00994A  | —              |
| LVDS CONTROL P.W.B      | —            | LG-6871QCH039A |
| Y DRIVE UPPER P.W.B     | —            | LG-6871QDH048D |
| Y DRIVE LOWER P.W.B     | —            | LG-6871QDH049E |
| X LEFT TOP P.W.B        | —            | LG-6871QLH032B |
| X LEFT BOTTOM P.W.B     | —            | LG-6871QLH033B |
| DC/DC P.W.B             | —            | LG-6871QPH008A |
| X RIGHT TOP P.W.B       | —            | LG-6871QRH035B |
| X RIGHT BOTTOM P.W.B    | —            | LG-6871QRH036B |
| X CENTER TOP P.W.B      | —            | LG-6871QXH020B |
| X CENTER BOTTOM P.W.B   | —            | LG-6871QXH021B |
| Y SUS P.W.B             | —            | LG-6871QYH028B |
| Z SUS P.W.B             | —            | LG-6871QZH031B |
| TEMP. SENSOR P.W.B      | —            | LG-6871QEH017A |
| REMOTE CONTROL UNIT     | RM-C14G-1H   | ←              |

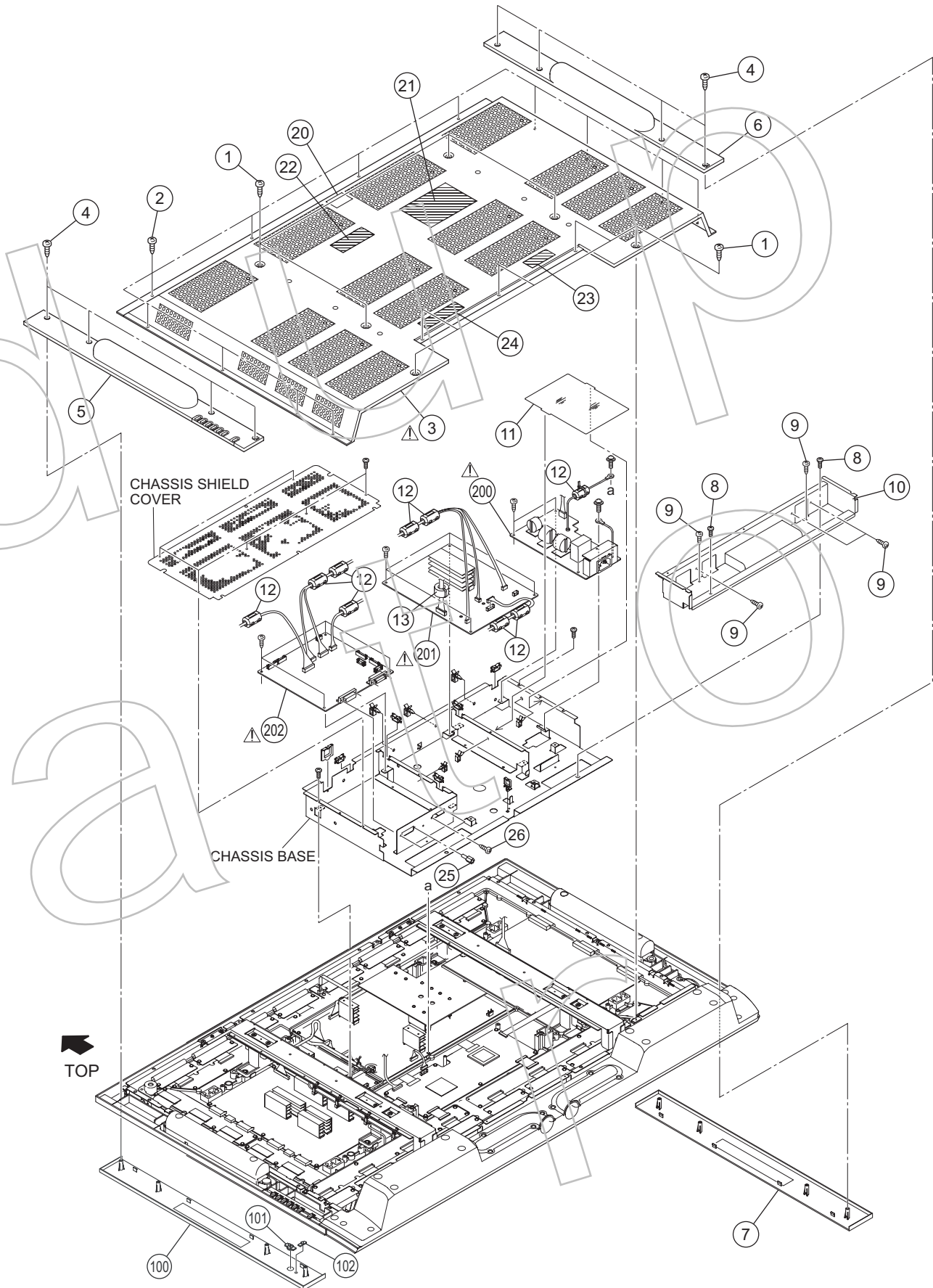
# [VM-42X795/S]

## EXPLODED VIEW PARTS LIST - 1

| △ Ref.No. | Part No.        | Part Name               | Description    | Local |
|-----------|-----------------|-------------------------|----------------|-------|
| 1         | LC41647-001B    | SCREW                   | (x9)           |       |
| 2         | QYSBSFG4016M    | TAP SCREW               | M4 x 16mm(x12) |       |
| △ 3       | LC11659-002A-0K | REAR COVER              |                |       |
| 4         | QYSBSFG4012M    | TAP SCREW               | M4 x 12mm(x8)  |       |
| 5         | LC11668-001B-0K | BACK COVER(R)           |                |       |
| 6         | LC11668-002B-0K | BACK COVER(L)           |                |       |
| 7         | LC21375-002B-0K | SPEAKER HOLDER(L)       |                |       |
| 8         | LC41647-001B    | SCREW                   | (x2)           |       |
| 9         | QYSBSG3008M     | TAP SCREW               | M3 x 8mm(x5)   |       |
| 10        | LC11675-001C-0K | TERMINAL COVER          |                |       |
| 11        | LC32472-001A    | INSULATOR               |                |       |
| 12        | QQR0491-001     | FERRITE CORE            | (GRAY)(x9)     |       |
| 13        | QQR0942-001     | CORE FILTER             |                |       |
| 20        | LC41693-001A    | CAUTION LABEL           |                |       |
| △ 21      | LC32680-001A-A  | RATING LABEL            |                |       |
| △ 22      | LC32912-001A-A  | BBE LABEL               |                |       |
| 23        | LC41731-001A    | INLET LABEL             |                |       |
| 24        | LC41610-002A    | TERMINAL LABEL          |                |       |
| 25        | QNB0036-001     | HEX SCREW               | (x2)           |       |
| 26        | QYSPSPL2608NA   | SCREW                   | M2.6 x 8mm(x2) |       |
| 100       | LC32453-001E-0K | SPEAKER HOLDER ASS'Y(R) | inc.101,102    |       |
| 101       | LC32408-001D    | REMOCON WINDOW          |                |       |
| 102       | LC41631-001B    | LED LENS                |                |       |
| △ 200     | SFP-9509A-M2    | LINE FILTER PWB         |                |       |
| △ 201     | SFP-6502A-M2    | AUDIO PWB               |                |       |
| △ 202     | SFP-7504A-M2    | DISPLAY INTERFACE PWB   |                |       |



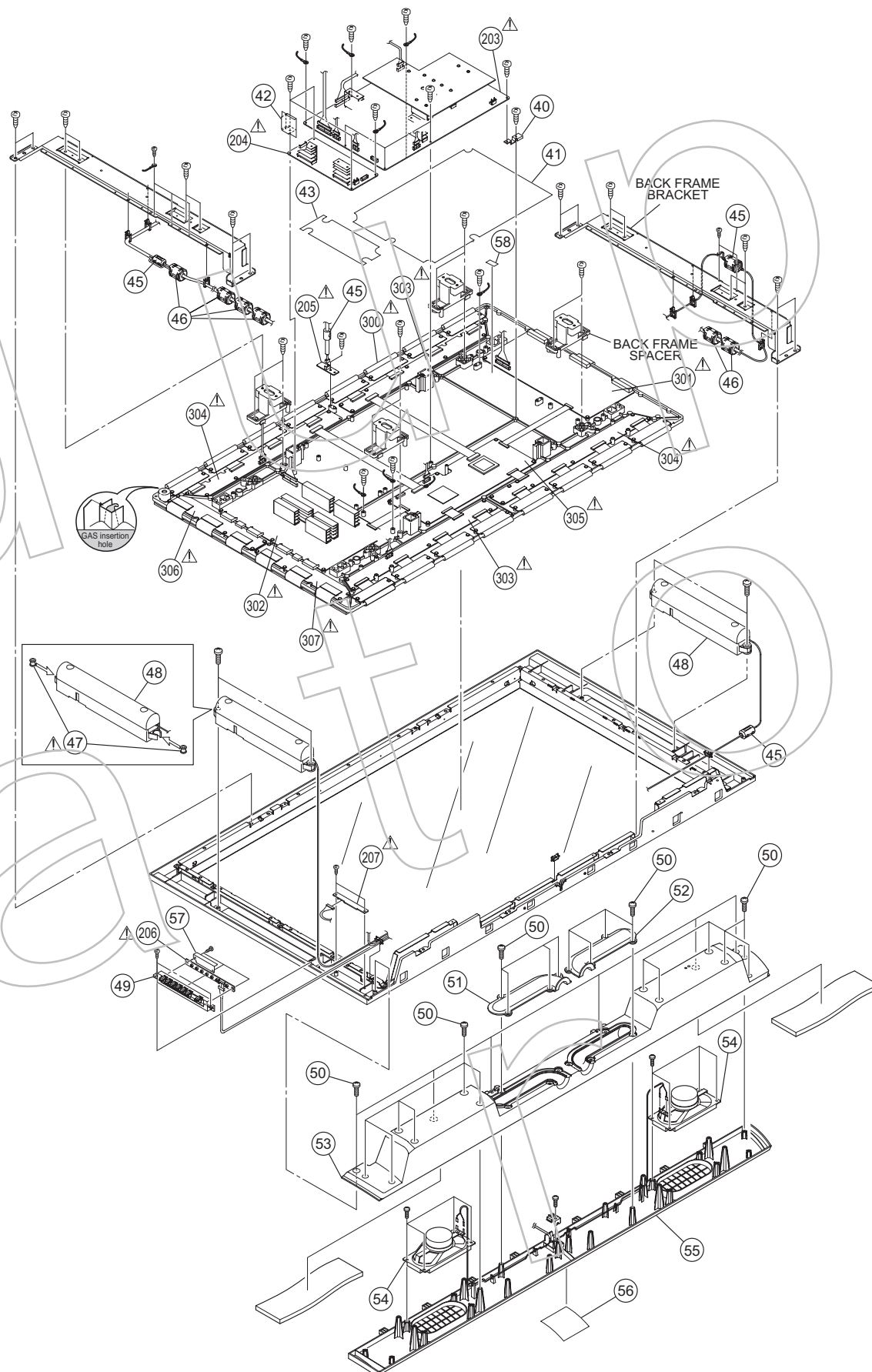
EXPLODED VIEW - 1



## EXPLODED VIEW PARTS LIST - 2

| △ Ref.No. | Part No.        | Part Name              | Description    | Local |
|-----------|-----------------|------------------------|----------------|-------|
| 40        | LC41729-002A    | PWB BRACKET            |                |       |
| 41        | LC21459-001A    | INSULATOR              |                |       |
| 42        | LC32562-001A    | INSULATOR              |                |       |
| 43        | LC32561-001A    | INSULATOR              |                |       |
| 45        | QQR0491-001     | FERRITE CORE           | (GRAY)(x3)     |       |
| 46        | QQR0675-001     | CORE FILTER            | (x7)           |       |
| △ 47      | LC40226-003A-H  | SPACER                 | (x4)           |       |
| 48        | LC41683-001A    | DD SPEAKER ASS'Y       | (x2)           |       |
| 49        | LC21378-001C    | CONTROL KNOB           |                |       |
| 50        | QYSBSFG4016M    | TAP SCREW              | M4 x 16mm(x26) |       |
| 51        | LC21377-002B    | DUCT COVER(R)          |                |       |
| 52        | LC21377-001B    | DUCT COVER(L)          |                |       |
| 53        | LC11667-001B-0K | WOOFER BACK COVER      |                |       |
| 54        | QAS0154-001     | SPEAKER                | (x2)           |       |
| 55        | LC21425-001C-0K | WOOFER SP HOLDER ASS'Y |                |       |
| 56        | LC32433-001B    | BRAND PLATE            |                |       |
| 57        | LC41725-001A    | INSULATOR              |                |       |
| 58        | LC41782-001A    | LABEL                  |                |       |
| △ 203     | SFP-9503A-M2    | MAIN POWER PWB         |                |       |
| △ 204     | SFP-9505A-M2    | SUB POWER PWB          |                |       |
| △ 205     | SSB-8381A-M2    | TEMP. SENSOR PWB       |                |       |
| △ 206     | SSB0L385A-M2    | DISPLAY SWITCH PWB     |                |       |
| △ 207     | SSB0L285A-M2    | DISPLAY LED PWB        |                |       |
| △ 300     | QLE0029-002     | PDP UNIT               | Inc.301-307    |       |
| △ 301     | LJ92-00980A     | X-MAIN PWB             |                |       |
| △ 302     | LJ92-01260A     | Y-MAIN PWB             |                |       |
| △ 303     | LJ92-00895A     | E-BUFFER PWB           |                |       |
| △ 304     | LJ92-00896A     | F-BUFFER PWB           |                |       |
| △ 305     | LJ92-00990A     | LOGIC-MAIN PWB         |                |       |
| △ 306     | LJ92-00993A     | Y-BUFFER-U PWB         |                |       |
| △ 307     | LJ92-00994A     | Y-BUFFER-L PWB         |                |       |

## EXPLODED VIEW - 2

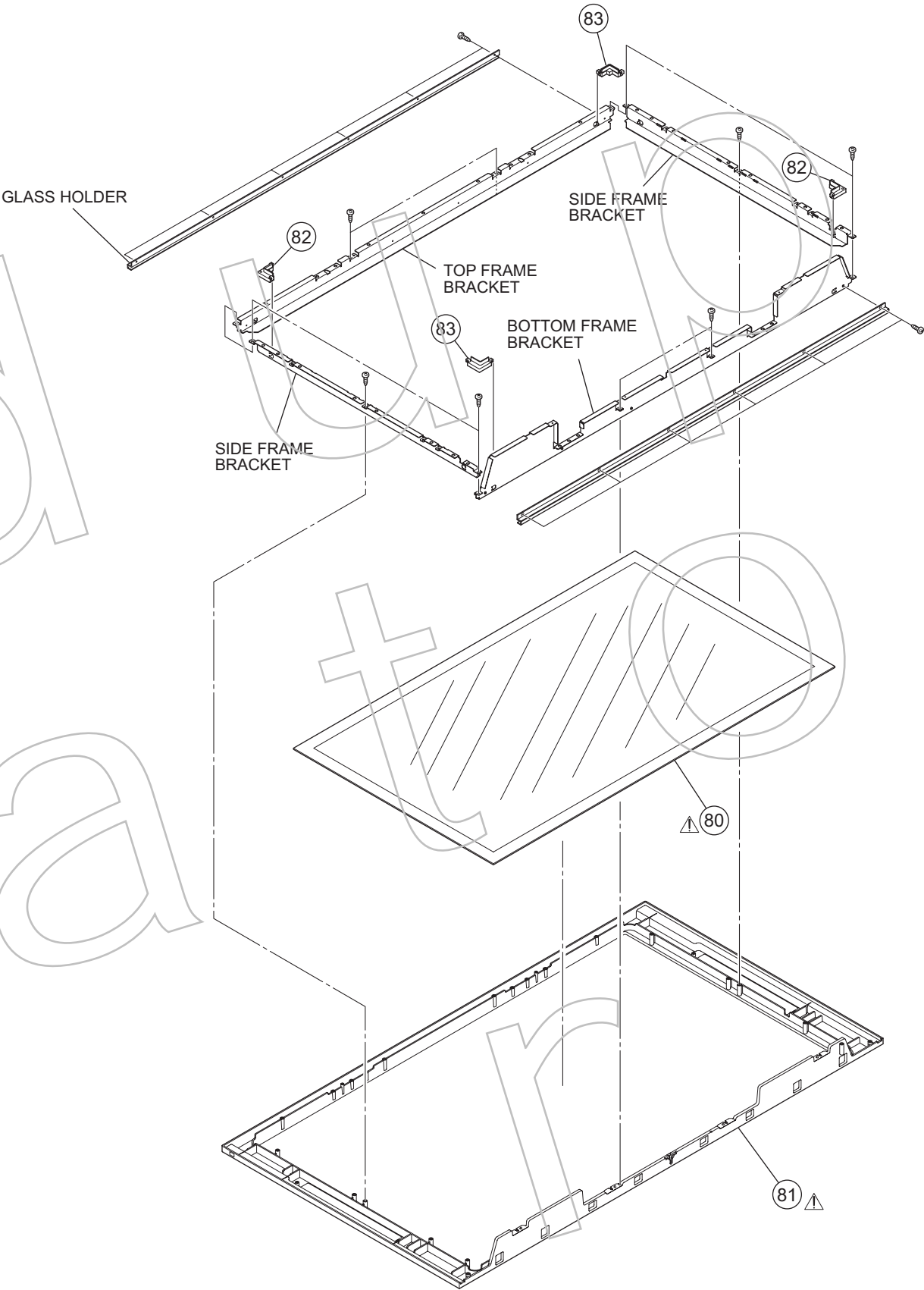


EXPLODED VIEW PARTS LIST - 3

| △ | Ref.No. | Part No.        | Part Name     | Description | Local |
|---|---------|-----------------|---------------|-------------|-------|
| △ | 80      | LC32436-001A-0K | FRONT FILTER  |             |       |
| △ | 81      | LC11660-004A-0K | FRONT PANEL   |             |       |
|   | 82      | LC32403-001B    | MOUNTING BOSS | (x2)        |       |
|   | 83      | LC32403-002B    | MOUNTING BOSS | (x2)        |       |



EXPLODED VIEW - 3



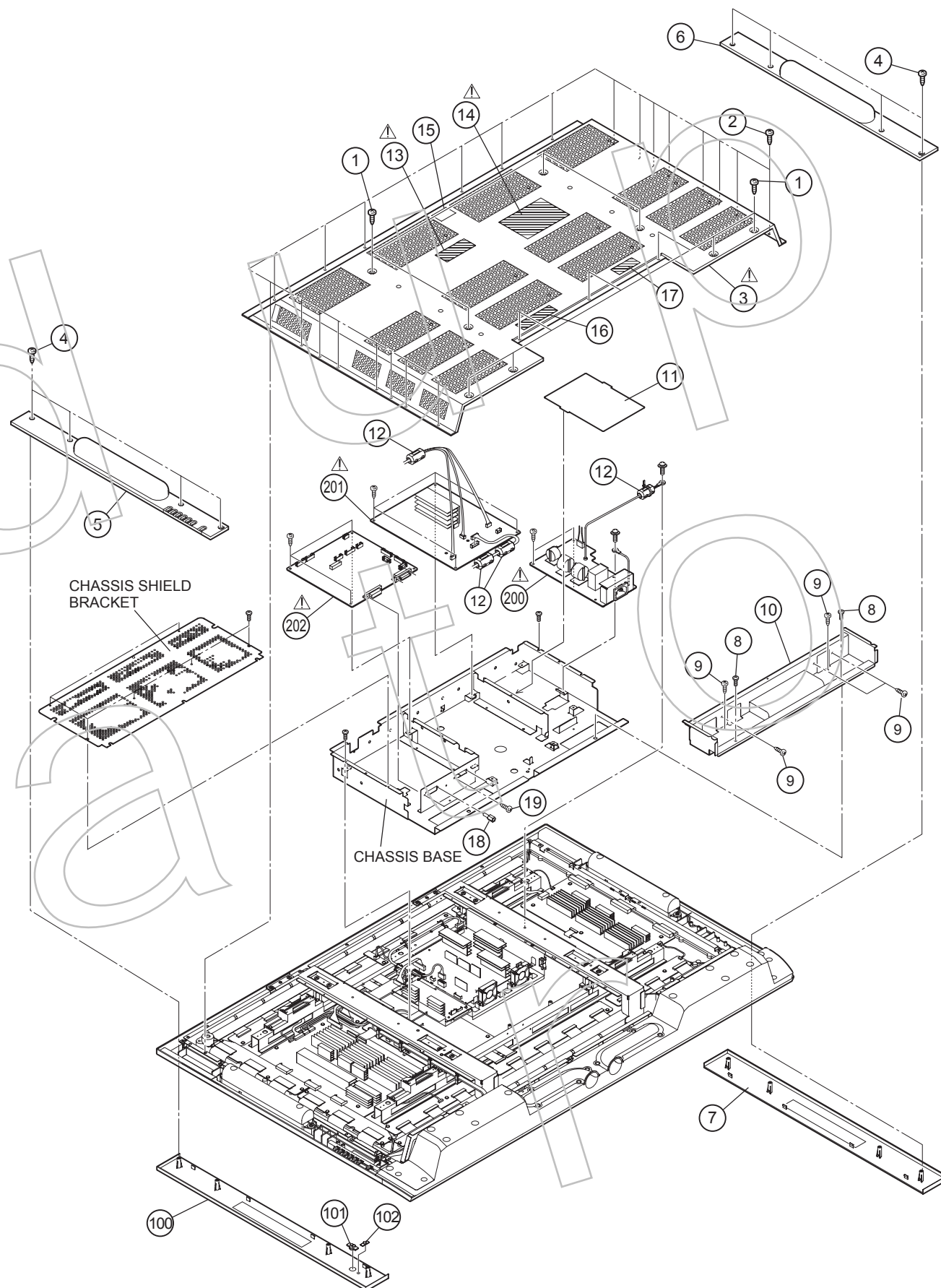
[VM-50X795/Z]

## EXPLODED VIEW PARTS LIST - 4

| △ | Ref.No. | Part No.        | Part Name               | Description    | Local |
|---|---------|-----------------|-------------------------|----------------|-------|
|   | 1       | LC41647-001B    | SCREW                   | (x11)          |       |
|   | 2       | QYSBSFG4016M    | TAP SCREW               | M4 x 16mm(x22) |       |
| △ | 3       | LC11721-004A-0K | REAR COVER              |                |       |
|   | 4       | QYSBSFG4012M    | TAP SCREW               | M4 x 12mm(x8)  |       |
|   | 5       | LC11722-001A    | BACK COVER(R)           |                |       |
|   | 6       | LC11722-002A    | BACK COVER(L)           |                |       |
|   | 7       | LC11717-002D    | SPEAKER HOLDER(L)       |                |       |
|   | 7       | LC32526-001A    | PROTECT SHEET           | (x2)           |       |
|   | 8       | LC41647-001B    | SCREW                   | (x2)           |       |
|   | 9       | QYSBSG3008M     | TAP SCREW               | M3 x 8mm(x5)   |       |
|   | 10      | LC11675-001C-0K | TERMINAL COVER          |                |       |
|   | 11      | LC32472-001A    | LF INSULATOR            |                |       |
|   | 12      | QQR0491-001     | FERRITE CORE            | (GRAY)(x4)     |       |
| △ | 13      | LC32912-001A-A  | BBE LABEL               |                |       |
| △ | 14      | LC32680-001A-A  | RATING LABEL            |                |       |
|   | 15      | LC41693-001A    | CAUTION LABEL           |                |       |
|   | 16      | LC41610-002A    | TERMINAL LABEL          |                |       |
|   | 17      | LC41731-001A    | INLET LABEL             |                |       |
|   | 18      | QNB0036-001     | HEX SCREW               | (x2)           |       |
|   | 19      | QYSPSPL2608NA   | SCREW                   | M2.6 x 8mm(x2) |       |
|   | 100     | LC32509-002A    | SPEAKER HOLDER ASS'Y(R) | inc.101,102    |       |
|   | 101     | LC32408-001D    | REMOCON WINDOW          |                |       |
|   | 102     | LC41631-001B    | LED LENS                |                |       |
| △ | 200     | SFP-9508A-M2    | LINE FILTER PWB         |                |       |
| △ | 201     | SFP-6501A-M2    | AUDIO PWB               |                |       |
| △ | 202     | SFP-7503A-M2    | DISPLAY INTERFACE PWB   |                |       |



# EXPLODED VIEW - 4



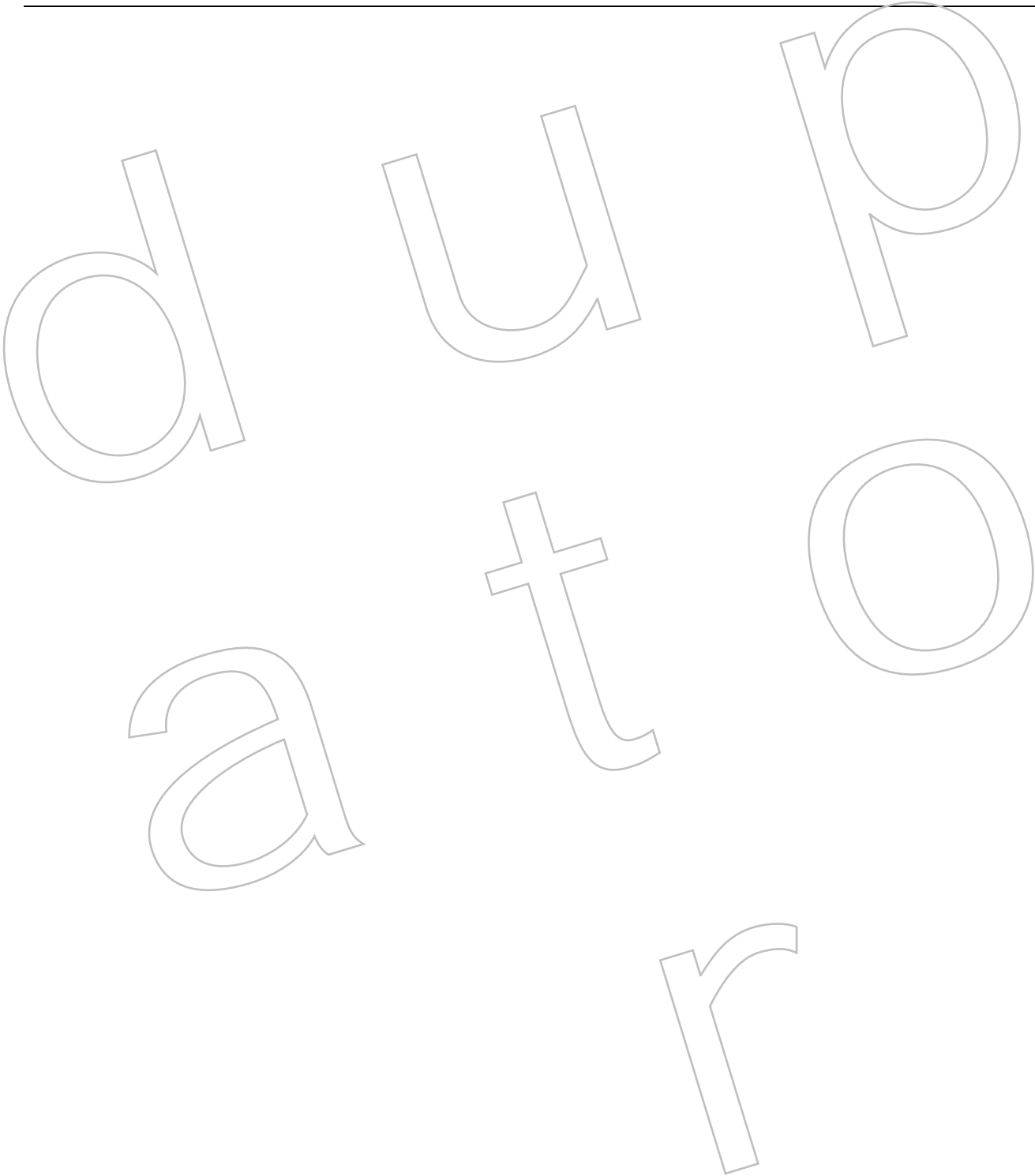
# EXPLODED VIEW PARTS LIST - 5

| △ Ref.No. | Part No.        | Part Name              | Description    | Local |
|-----------|-----------------|------------------------|----------------|-------|
| △ 40      | QAR0315-001     | COOLING FAN            | (x2)           |       |
| 41        | LC32533-001A    | INSULATOR              |                |       |
| 42        | QQR0491-001     | FERRITE CORE           | (GRAY)(x4)     |       |
| 43        | QQR0675-001     | CORE FILTER            | (x4)           |       |
| △ 44      | LC40226-003A-H  | SPACER                 | (x4)           |       |
| 45        | LC41683-002A    | DD SPEAKER ASS'Y       | (x2)           |       |
| 46        | LC21378-001C    | CONTROL KNOB           |                |       |
| 47        | LC41725-001A    | INSULATOR              |                |       |
| 50        | QYSBSFG4035MA   | TAP SCREW              | M4 x 35mm(x8)  |       |
| 51        | LC21377-002B    | DUCT COVER(R)          |                |       |
| 52        | LC21377-001B    | DUCT COVER(L)          |                |       |
| 53        | QYSBSFG4016M    | TAP SCREW              | M4 x 16mm(x16) |       |
| 54        | QYSBSFG4012M    | TAP SCREW              | M4 x 12mm(x4)  |       |
| 55        | LC11724-001B-OK | WOOFER BACK COVER      |                |       |
| 56        | QAS0154-001     | SPEAKER                | (x2)           |       |
| 57        | LC11749-001B-OK | WOOFER SP HOLDER ASS'Y |                |       |
| 58        | LC32433-001B    | BRAND PLATE            |                |       |
| △ 203     | QAL0557-002     | POWER UNIT             |                |       |
| △ 204     | SFP-9505A-M2    | SUB POWER PWB          |                |       |
| △ 205     | SSB-8381A-M2    | TEMP. SENSOR PWB       |                |       |
| △ 206     | SSB0L385A-M2    | DISPLAY SWITCH PWB     |                |       |
| △ 207     | SSB0L285A-M2    | DISPLAY LED PWB        |                |       |
| △ 300     | QLE0027-003     | PDP UNIT               | inc.301-313    |       |
| △ 301     | LG-6871QCH039A  | LVDS CONTROL PWB       |                |       |
| △ 302     | LG-6871QDH048D  | Y DRIVE UPPER PWB      |                |       |
| △ 303     | LG-6871QDH049E  | Y DRIVE LOWER PWB      |                |       |
| △ 304     | LG-6871QLH032B  | X LEFT TOP PWB         |                |       |
| △ 305     | LG-6871QLH033B  | X LEFT BOTTOM PWB      |                |       |
| △ 306     | LG-6871QPH008A  | DC/DC PWB              |                |       |
| △ 307     | LG-6871QRH035B  | X RIGHT TOP PWB        |                |       |
| △ 308     | LG-6871QRH036B  | X RIGHT BOTTOM PWB     |                |       |
| △ 309     | LG-6871QXH020B  | X CENTER TOP PWB       |                |       |
| △ 310     | LG-6871QXH021B  | X CENTER BOTTOM PWB    |                |       |
| △ 311     | LG-6871QYH028B  | Y SUS PWB              |                |       |
| △ 312     | LG-6871QZH031B  | Z SUS PWB              |                |       |
| △ 313     | LG-6871QEH017A  | TEMP. SENSOR PWB       |                |       |

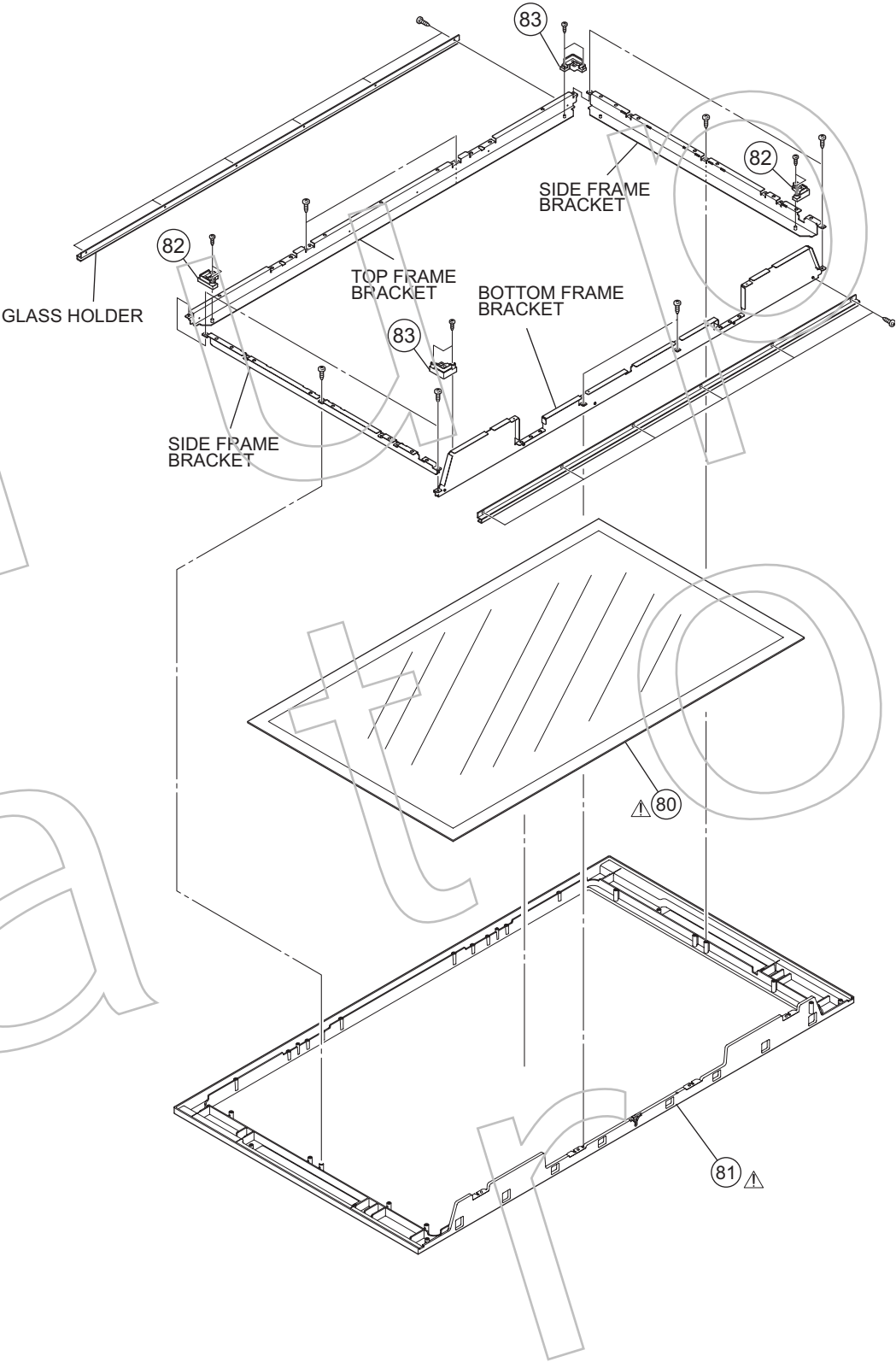


EXPLODED VIEW PARTS LIST - 6

| △ | Ref.No. | Part No.        | Part Name     | Description | Local |
|---|---------|-----------------|---------------|-------------|-------|
| △ | 80      | LC32655-001A-0K | FRONT FILTER  |             |       |
| △ | 81      | LC11712-002A-0K | FRONT PANEL   |             |       |
|   | 82      | LC32466-002A    | MOUNTING BOSS | (x2)        |       |
|   | 83      | LC32466-001A    | MOUNTING BOSS | (x2)        |       |



**EXPLODED VIEW - 6**



# PRINTED WIRING BOARD PARTS LIST [VM-42X795/S]

## DISPLAY INTERFACE P.W. BOARD ASS'Y (SFP-7504A-M2)

| △Ref No. | Part No.       | Part Name   | Description Local |
|----------|----------------|-------------|-------------------|
| IC101    | PQ1CY1032Z-W   | IC          | 100pin            |
| IC102    | BA12FP-X       | IC          |                   |
| IC103    | BA05FP-X       | IC          |                   |
| IC501    | SII169CT100    | IC          |                   |
| IC502    | S-80828CLNB-W  | IC          |                   |
| IC601    | THC63LVDM83R-W | IC          |                   |
| IC801    | BA033FP-X      | IC          |                   |
| IC802    | BA05FP-X       | IC          |                   |
| IC803    | MAX3221CDB-X   | IC          |                   |
| IC805    | ATE16-42X795   | IC          |                   |
| IC807    | HD6433685A80H  | IC(MCU)     | (SERVICE)         |
| IC809    | S-80840CLNB-W  | IC          |                   |
| Q101     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q410     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q703     | 2SK2090-X      | MOS FET     |                   |
| Q704     | 2SK2090-X      | MOS FET     |                   |
| Q803     | 2SA1530A/QR/-X | TRANSISTOR  |                   |
| Q804     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q805     | 2SK2090-X      | MOS FET     |                   |
| Q806     | 2SK2090-X      | MOS FET     |                   |
| Q807     | 2SA1530A/QR/-X | TRANSISTOR  |                   |
| Q808     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q811     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q812     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q813     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| D101     | EC30HA03L-X    | SB DIODE    |                   |
| D102     | PTZ6.8B-X      | Z DIODE     |                   |
| D410     | MA111-X        | SI DIODE    |                   |
| D412     | MA111-X        | SI DIODE    |                   |
| D501     | BAV99L-X       | SI DIODE    |                   |
| D502     | BAV99L-X       | SI DIODE    |                   |
| D503     | BAV99L-X       | SI DIODE    |                   |
| D504     | BAV99L-X       | SI DIODE    |                   |
| D505     | BAV99L-X       | SI DIODE    |                   |
| D506     | BAV99L-X       | SI DIODE    |                   |
| D507     | BAV99L-X       | SI DIODE    |                   |
| D508     | BAV99L-X       | SI DIODE    |                   |
| D509     | BAV99L-X       | SI DIODE    |                   |
| D510     | BAV99L-X       | SI DIODE    |                   |
| D611     | MA8056/M/-X    | Z DIODE     |                   |
| D803     | MA111-X        | SI DIODE    |                   |
| D804     | MA8056/M/-X    | Z DIODE     |                   |
| D901     | 1SS355-X       | SI DIODE    |                   |
| D902     | 1SS355-X       | SI DIODE    |                   |
| C103     | QETM1EM-477    | E CAPACITOR | 470uF 25V M       |
| C105     | QETM0JM-108    | E CAPACITOR | 1000uF 6.3V M     |
| C108     | NEH71EM-336X   | E CAPACITOR | 33uF 25V M        |
| C109     | NEH71EM-336X   | E CAPACITOR | 33uF 25V M        |
| C112     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C113     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C114     | NEH71AM-107X   | E CAPACITOR | 100uF 10V M       |
| C117     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |
| C401     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C402     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C404     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C405     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C410     | NCB31CK-104X   | C CAPACITOR | 0.1uF 16V K       |
| C412     | NCB31CK-104X   | C CAPACITOR | 0.1uF 16V K       |
| C501     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |
| C502     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |
| C503     | NEH70JM-226X   | E CAPACITOR | 22uF 6.3V M       |
| C504     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C505     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C506     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C507     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C508     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C509     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C510     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C511     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C512     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C513     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C514     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C515     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C516     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C517     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C601     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |
| C602     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |
| C603     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C604     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |

| △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|
| C610     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C611     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C612     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C626     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C802     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C803     | NEH70JM-226X | E CAPACITOR | 22uF 6.3V M       |
| C804     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C805     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C806     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C807     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C809     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C810     | NEH70JM-107X | E CAPACITOR | 100uF 6.3V M      |
| C811     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C812     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C814     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C815     | NEH70JM-226X | E CAPACITOR | 22uF 6.3V M       |
| C816     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C817     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C818     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C819     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C820     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C821     | NEH71CM-106X | E CAPACITOR | 10uF 16V M        |
| C823     | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J      |
| C825     | NDC31HJ-220X | C CAPACITOR | 22pF 50V J        |
| C826     | NDC31HJ-220X | C CAPACITOR | 22pF 50V J        |
| C828     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C829     | NEH70JM-226X | E CAPACITOR | 22uF 6.3V M       |
| C832     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| R101     | NRSA63D-182X | MG RESISTOR | 1.8kΩ 1/16W D     |
| R102     | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D     |
| R103     | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R104     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R105     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R106     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R108     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R402     | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R403     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R408     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R410     | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R412     | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R413     | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R501     | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J      |
| R502     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R505     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R506     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R507     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R510     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R511     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R512     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R513     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R514     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R515     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R517     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R525     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R526     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R528     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R529     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R532     | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R533     | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R537     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R538     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R546     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R601     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R602     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R603     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R611     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R618     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R619     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R621     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R626     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R628     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R801     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R802     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R803     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R804     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R805     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R806     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R807     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R808     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R809     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R810     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R811     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R812     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |



| △Ref No.                              | Part No.     | Part Name   | Description Local | △Ref No. | Part No.       | Part Name     | Description Local |
|---------------------------------------|--------------|-------------|-------------------|----------|----------------|---------------|-------------------|
| R813                                  | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R934     | NRSA63J-104X   | MG RESISTOR   | 100kΩ 1/16W J     |
| R814                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R935     | NRSA63J-103X   | MG RESISTOR   | 10kΩ 1/16W J      |
| R815                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R936     | NRSA63J-103X   | MG RESISTOR   | 10kΩ 1/16W J      |
| R816                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R937     | NRSA63J-103X   | MG RESISTOR   | 10kΩ 1/16W J      |
| R817                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R938     | NRSA63J-103X   | MG RESISTOR   | 10kΩ 1/16W J      |
| R818                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R939     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R821                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R940     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R825                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R945     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R826                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R946     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R833                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R947     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R834                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R948     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R836                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R949     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R837                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R950     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R838                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R951     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R839                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R952     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R842                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R953     | NRSA63J-473X   | MG RESISTOR   | 47kΩ 1/16W J      |
| R843                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R961     | NRSA63J-472X   | MG RESISTOR   | 4.7kΩ 1/16W J     |
| R844                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R962     | NRSA63J-101X   | MG RESISTOR   | 100Ω 1/16W J      |
| R845                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R963     | NRSA63J-153X   | MG RESISTOR   | 15kΩ 1/16W J      |
| R846                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R964     | NRSA63J-104X   | MG RESISTOR   | 100kΩ 1/16W J     |
| R847                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R965     | NRSA63J-562X   | MG RESISTOR   | 5.6kΩ 1/16W J     |
| R848                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R967     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R849                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R968     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R850                                  | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R969     | NRSA63J-0R0X   | MG RESISTOR   | 0Ω 1/16W J        |
| R851                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R974     | NRSA63J-103X   | MG RESISTOR   | 10kΩ 1/16W J      |
| R852                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R976     | NRSA63J-333X   | MG RESISTOR   | 33kΩ 1/16W J      |
| R853                                  | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      | R977     | NRSA63J-104X   | MG RESISTOR   | 100kΩ 1/16W J     |
| R854                                  | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | RA601    | NRZ0040-0R0X   | NET RESISTOR  | 0Ω 1/16W J x4     |
| R855                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | RA602    | NRZ0040-0R0X   | NET RESISTOR  | 0Ω 1/16W J x4     |
| R856                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | RA603    | NRZ0040-0R0X   | NET RESISTOR  | 0Ω 1/16W J x4     |
| R857                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | RA604    | NRZ0040-0R0X   | NET RESISTOR  | 0Ω 1/16W J x4     |
| R858                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | RA605    | NRZ0040-0R0X   | NET RESISTOR  | 0Ω 1/16W J x4     |
| R859                                  | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     | RA606    | NRZ0040-0R0X   | NET RESISTOR  | 0Ω 1/16W J x4     |
| R861                                  | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | L101     | NQL63EM-680X   | COIL          | 68uH M            |
| R863                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | L501     | NQR0351-001X   | FERRITE BEADS |                   |
| R866                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | L601     | NQR0351-001X   | FERRITE BEADS |                   |
| R867                                  | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | L801     | NQR0351-001X   | FERRITE BEADS |                   |
| R868                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | L802     | NQR0351-001X   | FERRITE BEADS |                   |
| R869                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | K801     | NRSA02J-0R0X   | MG RESISTOR   | 0Ω 1/10W J        |
| R870                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | K803     | NRSA02J-0R0X   | MG RESISTOR   | 0Ω 1/10W J        |
| R871                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | K804     | NRSA02J-0R0X   | MG RESISTOR   | 0Ω 1/10W J        |
| R872                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | K805     | NRSA02J-0R0X   | MG RESISTOR   | 0Ω 1/10W J        |
| R873                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | X801     | QAX0534-001    | C RESONATOR   | 16.000MHz         |
| R875                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          | LC32269-001B   | SHIELD COVER  |                   |
| R877                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |          | LC32270-002A   | SHIELD FRAME  |                   |
| R878                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R879                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R880                                  | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |          |                |               |                   |
| R881                                  | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |          |                |               |                   |
| R882                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R883                                  | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |          |                |               |                   |
| R884                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R885                                  | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |          |                |               |                   |
| R886                                  | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |          |                |               |                   |
| R887                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R890                                  | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |          |                |               |                   |
| R891                                  | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |          |                |               |                   |
| R892                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R893                                  | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |          |                |               |                   |
| R894                                  | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     |          |                |               |                   |
| R895                                  | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |          |                |               |                   |
| R896                                  | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |          |                |               |                   |
| R897                                  | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |          |                |               |                   |
| R898                                  | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |          |                |               |                   |
| R899                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R900                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R901                                  | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |          |                |               |                   |
| R903                                  | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |          |                |               |                   |
| R904                                  | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |          |                |               |                   |
| R906                                  | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     |          |                |               |                   |
| R908                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R910                                  | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |          |                |               |                   |
| R911                                  | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      |          |                |               |                   |
| R912                                  | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      |          |                |               |                   |
| R914                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R915                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R917                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R918                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R919                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R920                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R921                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R923                                  | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |          |                |               |                   |
| R924                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R925                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| R927                                  | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |          |                |               |                   |
| R932                                  | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |          |                |               |                   |
| R933                                  | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |                |               |                   |
| AUDIO P.W. BOARD ASS'Y (SFP-6502A-M2) |              |             |                   |          |                |               |                   |
| △Ref No.                              | Part No.     | Part Name   | Description Local | △Ref No. | Part No.       | Part Name     | Description Local |
| IC6501                                | BA4558F-X    | IC          |                   | Q6521    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
| IC6521                                | NJW1137M-W   | IC          |                   | Q6522    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
| IC6551                                | BA4558F-X    | IC          |                   | Q6523    | 2SA1530A/QR/-X | TRANSISTOR    |                   |
| IC6552                                | BA4558F-X    | IC          |                   | Q6531    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
| IC6571                                | BA4558F-X    | IC          |                   | Q6532    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
| IC6572                                | BA4558F-X    | IC          |                   | Q6533    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
| IC6621                                | TA8270HA     | IC          |                   | Q6534    | 2SA1530A/QR/-X | TRANSISTOR    |                   |
|                                       |              |             |                   | Q6535    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
|                                       |              |             |                   | Q6536    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
|                                       |              |             |                   | Q6641    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
|                                       |              |             |                   | Q6642    | 2SA1530A/QR/-X | TRANSISTOR    |                   |
|                                       |              |             |                   | Q6643    | 2SC3928A/QR/-X | TRANSISTOR    |                   |
| D6501                                 | MA111-X      | SI DIODE    |                   |          |                |               |                   |
| D6502                                 | MA111-X      | SI DIODE    |                   |          |                |               |                   |
| D6503                                 | MA111-X      | SI DIODE    |                   |          |                |               |                   |
| D6504                                 | MA111-X      | SI DIODE    |                   |          |                |               |                   |
| D6505                                 | MA111-X      | SI DIODE    |                   |          |                |               |                   |
| D6506                                 | MA111-X      | SI DIODE    |                   |          |                |               |                   |
| D6551                                 | MA8062/M/-X  | Z DIODE     |                   |          |                |               |                   |
| D6621                                 | MA8330/M/-X  | Z DIODE     |                   |          |                |               |                   |
| D6622                                 | MA8330/M/-X  | Z DIODE     |                   |          |                |               |                   |
| D6623                                 | MA8330/M/-X  | Z DIODE     |                   |          |                |               |                   |

| △Ref No. | Part No.     | Part Name      | Description Local | △Ref No. | Part No.     | Part Name    | Description Local |
|----------|--------------|----------------|-------------------|----------|--------------|--------------|-------------------|
| D6624    | MA8330/M-X   | Z DIODE        |                   | C6601    | NDC31HJ-101X | C CAPACITOR  | 100pF 50V J       |
| D6625    | MA8330/M-X   | Z DIODE        |                   | C6602    | NDC31HJ-101X | C CAPACITOR  | 100pF 50V J       |
| D6626    | MA8330/M-X   | Z DIODE        |                   | C6603    | NDC31HJ-101X | C CAPACITOR  | 100pF 50V J       |
| D6627    | MA8330/M-X   | Z DIODE        |                   | C6604    | NDC31HJ-101X | C CAPACITOR  | 100pF 50V J       |
| D6628    | MA8330/M-X   | Z DIODE        |                   | C6605    | QETN1CM-106Z | E CAPACITOR  | 10uF 16V M        |
| D6629    | D1FS4-X      | SB DIODE       |                   | C6621    | NCB11EK-105X | C CAPACITOR  | 1uF 25V K         |
| D6630    | D1FS4-X      | SB DIODE       |                   | C6622    | NCB11EK-105X | C CAPACITOR  | 1uF 25V K         |
| D6631    | D1FS4-X      | SB DIODE       |                   | C6623    | NCB11EK-105X | C CAPACITOR  | 1uF 25V K         |
| D6632    | D1FS4-X      | SB DIODE       |                   | C6624    | NCB11EK-105X | C CAPACITOR  | 1uF 25V K         |
| D6641    | MA111-X      | SI DIODE       |                   | C6625    | QETN1HM-106Z | E CAPACITOR  | 10uF 50V M        |
| D6642    | MA111-X      | SI DIODE       |                   | C6626    | QETN1EM-107Z | E CAPACITOR  | 100uF 25V M       |
| D6643    | MA111-X      | SI DIODE       |                   | C6627    | QETM1EM-228  | E CAPACITOR  | 2200uF 25V M      |
| C6501    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        | C6628    | NCB31HK-104X | C CAPACITOR  | 0.1uF 50V K       |
| C6502    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        | C6629    | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J      |
| C6503    | NDC31HJ-101X | C CAPACITOR    | 100pF 50V J       | C6630    | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J      |
| C6504    | NDC31HJ-101X | C CAPACITOR    | 100pF 50V J       | C6631    | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J      |
| C6505    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | C6632    | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J      |
| C6506    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        | C6633    | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J      |
| C6507    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        | C6634    | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J      |
| C6508    | NDC31HJ-101X | C CAPACITOR    | 100pF 50V J       | C6635    | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J      |
| C6509    | NDC31HJ-101X | C CAPACITOR    | 100pF 50V J       | C6636    | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J      |
| C6510    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | C6641    | QETN1HM-106Z | E CAPACITOR  | 10uF 50V M        |
| C6511    | QETN1EM-476Z | E CAPACITOR    | 4.7uF 25V M       | C6642    | QETN1EM-476Z | E CAPACITOR  | 47uF 25V M        |
| C6512    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        | C6643    | QETN1HM-475Z | E CAPACITOR  | 4.7uF 50V M       |
| C6517    | NDC31HJ-100X | C CAPACITOR    | 10pF 50V J        | C6651    | QETN1HM-106Z | E CAPACITOR  | 10uF 50V M        |
| C6518    | NDC31HJ-100X | C CAPACITOR    | 10pF 50V J        | C6681    | QETM1CM-478  | E CAPACITOR  | 4700uF 16V M      |
| C6519    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      | C6682    | QETM1CM-478  | E CAPACITOR  | 4700uF 16V M      |
| C6521    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | C6683    | QETM1CM-478  | E CAPACITOR  | 4700uF 16V M      |
| C6522    | NCB31HK-332X | C CAPACITOR    | 3300pF 50V K      | C6684    | QETM1CM-478  | E CAPACITOR  | 4700uF 16V M      |
| C6523    | NCB31HK-333X | C CAPACITOR    | 0.033uF 50V K     | R6421    | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J        |
| C6525    | NCB31HK-472X | C CAPACITOR    | 4700pF 50V K      | R6501    | NRSA63J-224X | MG RESISTOR  | 220kΩ 1/16W J     |
| C6526    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6502    | NRSA63J-224X | MG RESISTOR  | 220kΩ 1/16W J     |
| C6527    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | R6503    | NRSA63J-153X | MG RESISTOR  | 15kΩ 1/16W J      |
| C6528    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | R6504    | NRSA63J-153X | MG RESISTOR  | 15kΩ 1/16W J      |
| C6529    | NCB31HK-332X | C CAPACITOR    | 3300pF 50V K      | R6505    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6530    | NCB31HK-333X | C CAPACITOR    | 0.033uF 50V K     | R6506    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6532    | NCB31HK-472X | C CAPACITOR    | 4700pF 50V K      | R6507    | NRSA63J-224X | MG RESISTOR  | 220kΩ 1/16W J     |
| C6533    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6508    | NRSA63J-224X | MG RESISTOR  | 220kΩ 1/16W J     |
| C6534    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | R6509    | NRSA63J-153X | MG RESISTOR  | 15kΩ 1/16W J      |
| C6535    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         | R6510    | NRSA63J-153X | MG RESISTOR  | 15kΩ 1/16W J      |
| C6536    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6511    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6537    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | R6512    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6538    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | R6513    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6539    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6514    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6540    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | R6515    | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J        |
| C6541    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | R6519    | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J        |
| C6542    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       | R6521    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6543    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        | R6522    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6544    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         | R6523    | NRSA63J-333X | MG RESISTOR  | 33kΩ 1/16W J      |
| C6545    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      | R6524    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6546    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      | R6525    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6551    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         | R6526    | NRSA63J-333X | MG RESISTOR  | 33kΩ 1/16W J      |
| C6552    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         | R6527    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6553    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6528    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6554    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6529    | NRSA63J-333X | MG RESISTOR  | 33kΩ 1/16W J      |
| C6555    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6530    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6556    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6531    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6557    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        | R6532    | NRSA63J-333X | MG RESISTOR  | 33kΩ 1/16W J      |
| C6558    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        | R6533    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6559    | QETN1CM-107Z | E CAPACITOR    | 100uF 16V M       | R6534    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6561    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         | R6535    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6562    | QETN1HM-225Z | E CAPACITOR    | 2.2uF 50V M       | R6536    | NRSA63J-101X | MG RESISTOR  | 100Ω 1/16W J      |
| C6563    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6537    | NRSA63J-101X | MG RESISTOR  | 100Ω 1/16W J      |
| C6564    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6538    | NRSA63J-101X | MG RESISTOR  | 100Ω 1/16W J      |
| C6565    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6539    | NRSA63J-101X | MG RESISTOR  | 100Ω 1/16W J      |
| C6566    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       | R6540    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6567    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         | R6541    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6568    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         | R6542    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6569    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         | R6543    | NRSA63J-222X | MG RESISTOR  | 2.2kΩ 1/16W J     |
| C6570    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         | R6544    | NRSA63J-184X | MG RESISTOR  | 180kΩ 1/16W J     |
| C6571    | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M         | R6545    | NRSA63J-184X | MG RESISTOR  | 180kΩ 1/16W J     |
| C6572    | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M         | R6546    | NRSA63J-561X | MG RESISTOR  | 560Ω 1/16W J      |
| C6573    | NCB31HK-473X | C CAPACITOR    | 0.047uF 50V K     | R6547    | NRSA63J-561X | MG RESISTOR  | 560Ω 1/16W J      |
| C6574    | NCB31HJ-103X | C CAPACITOR    | 0.01uF 50V J      | R6551    | NRSA63J-153X | MG RESISTOR  | 15kΩ 1/16W J      |
| C6575    | QETN1HM-226Z | E CAPACITOR    | 22uF 50V M        | R6552    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6576    | QETN1HM-226Z | E CAPACITOR    | 22uF 50V M        | R6553    | NRSA63J-104X | MG RESISTOR  | 100kΩ 1/16W J     |
| C6577    | NCB31HK-473X | C CAPACITOR    | 0.047uF 50V K     | R6554    | NRSA63J-153X | MG RESISTOR  | 15kΩ 1/16W J      |
| C6578    | NCB31HJ-103X | C CAPACITOR    | 0.01uF 50V J      | R6555    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6581    | NCB21EK-124X | C CAPACITOR    | 0.12uF 25V K      | R6556    | NRSA63J-104X | MG RESISTOR  | 100kΩ 1/16W J     |
| C6582    | NCB21EK-124X | C CAPACITOR    | 0.12uF 25V K      | R6557    | NRSA63J-392X | MG RESISTOR  | 3.9kΩ 1/16W J     |
| C6583    | NCB21EK-124X | C CAPACITOR    | 0.12uF 25V K      | R6558    | NRSA63J-822X | MG RESISTOR  | 8.2kΩ 1/16W J     |
| C6584    | NCB21EK-124X | C CAPACITOR    | 0.12uF 25V K      | R6559    | NRSA63J-392X | MG RESISTOR  | 3.9kΩ 1/16W J     |
| C6585    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        | R6560    | NRSA63J-822X | MG RESISTOR  | 8.2kΩ 1/16W J     |
| C6586    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        | R6561    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6587    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        | R6562    | NRSA63J-103X | MG RESISTOR  | 10kΩ 1/16W J      |
| C6588    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        | R6563    | NRSA63J-224X | MG RESISTOR  | 220kΩ 1/16W J     |

| △Ref No. | Part No.     | Part Name      | Description Local |
|----------|--------------|----------------|-------------------|
| R6564    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6565    | NRSA63J-562X | MG RESISTOR    | 5.6kΩ 1/16W J     |
| R6566    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6567    | NRSA63J-124X | MG RESISTOR    | 120kΩ 1/16W J     |
| R6568    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6569    | NRSA63J-823X | MG RESISTOR    | 82kΩ 1/16W J      |
| R6571    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6572    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6573    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6574    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6575    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6576    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6577    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6578    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6579    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6580    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6581    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6582    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6583    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6584    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6585    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6586    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6587    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6588    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6591    | NRSA63J-562X | MG RESISTOR    | 5.6kΩ 1/16W J     |
| R6595    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6596    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6601    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6602    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6603    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6604    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6605    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6606    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6607    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6608    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6609    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6610    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6611    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6612    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6613    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6614    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6615    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6616    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6617    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6619    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| △R6621   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6622   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6623   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6624   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6625   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6626   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6627   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6628   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| R6641    | NRSA63J-563X | MG RESISTOR    | 56kΩ 1/16W J      |
| R6642    | NRSA63J-563X | MG RESISTOR    | 56kΩ 1/16W J      |
| R6643    | NRSA63J-104X | MG RESISTOR    | 100kΩ 1/16W J     |
| R6644    | NRSA63J-102X | MG RESISTOR    | 1kΩ 1/16W J       |
| R6645    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R6646    | NRSA63J-563X | MG RESISTOR    | 56kΩ 1/16W J      |
| R6647    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6648    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6649    | NRSA63J-332X | MG RESISTOR    | 3.3kΩ 1/16W J     |
| R6653    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6654    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6661    | NRSA63J-101X | MG RESISTOR    | 100Ω 1/16W J      |
| R6671    | NRSA63J-101X | MG RESISTOR    | 100Ω 1/16W J      |
| R6673    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| △R6681   | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J        |
| △R6682   | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J        |
| △R6683   | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J        |
| △R6684   | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J        |
| R6689    | QRL039J-221  | OMF RESISTOR   | 220Ω 3W J         |
| R6690    | QRL039J-221  | OMF RESISTOR   | 220Ω 3W J         |

#### TEMP. SENSOR P.W. BOARD ASS'Y (SSB-8381A-M2)

| △Ref No. | Part No.       | Part Name   | Description Local |
|----------|----------------|-------------|-------------------|
| IC8101   | TCN75-5.0MOA-X | IC          |                   |
| C8101    | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| R8101    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      |

| △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|
| R8102    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R8103    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |

#### DISPLAY LED P.W. BOARD ASS'Y (SSB0L285A-M2)

| △Ref No. | Part No.       | Part Name      | Description Local |
|----------|----------------|----------------|-------------------|
| IC1642   | GP1UA261XK     | IR DETECT UNIT | 38kHz             |
| Q1641    | 2SC3928A/QR/-X | TRANSISTOR     |                   |
| Q1642    | 2SC3928A/QR/-X | TRANSISTOR     |                   |
| D1643    | SEL2E10W       | LED            | POWER             |
| C1642    | QER61CM-476Z   | E CAPACITOR    | 47uF 16V M        |
| R1641    | NRSA63J-102X   | MG RESISTOR    | 1kΩ 1/16W J       |
| R1642    | NRSA63J-102X   | MG RESISTOR    | 1kΩ 1/16W J       |
| R1643    | NRSA63J-221X   | MG RESISTOR    | 220Ω 1/16W J      |
| R1644    | NRSA63J-182X   | MG RESISTOR    | 1.8kΩ 1/16W J     |
| R1648    | NRSA63J-102X   | MG RESISTOR    | 1kΩ 1/16W J       |
| R1654    | NRSA63J-0R0X   | MG RESISTOR    | 0Ω 1/16W J        |
| R1657    | NRSA63J-0R0X   | MG RESISTOR    | 0Ω 1/16W J        |
|          | LC40656-002A   | LED SPACER     |                   |

#### DISPLAY SWITCH P.W. BOARD ASS'Y (SSB0L385-M2)

| △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|
| R2701    | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
| R2702    | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R2703    | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
| R2704    | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| S2701    | QSW0619-003Z | TACT SWITCH | VOL+              |
| S2702    | QSW0619-003Z | TACT SWITCH | CH-               |
| S2703    | QSW0619-003Z | TACT SWITCH | MENU/ASPECT       |
| S2704    | QSW0619-003Z | TACT SWITCH | INPUT             |
| S2705    | QSW0619-003Z | TACT SWITCH | CH+               |
| S2706    | QSW0619-003Z | TACT SWITCH | VOL-              |
| S2707    | QSW0619-003Z | TACT SWITCH | POWER             |

#### LINE FILTER P.W. BOARD ASS'Y (SFP-9509A-M2)

| △Ref No. | Part No.       | Part Name     | Description Local |
|----------|----------------|---------------|-------------------|
| △C9901   | QFZ9075-225    | MPP CAPACITOR | 2.2uF AC275V M    |
| △C9904   | QFZ9075-224    | MPP CAPACITOR | 0.22uF AC275V M   |
| △C9912   | QCZ9079-102    | C CAPACITOR   | 1000pF AC250V M   |
| △C9913   | QCZ9079-102    | C CAPACITOR   | 1000pF AC250V M   |
| △C9916   | QRZ9046-105Z   | C RESISTOR    | 1MΩ 1/2W K        |
| △R9902   | QRZ9046-105Z   | C RESISTOR    | 1MΩ 1/2W K        |
| △F9901   | QMFZ041-100-J1 | FUSE          | 10A 250V          |
| △J9901   | QMCB006-C01    | AC INLET      |                   |
| △LF9901  | QQR1281-002    | LINE FILTER   |                   |
| △LF9902  | QQR1281-002    | LINE FILTER   |                   |
| △LF9903  | QQR1376-001    | LINE FILTER   |                   |
| △LF9904  | QQR1376-001    | LINE FILTER   |                   |
| △VA9901  | ERZV10V621CS   | ZNR           |                   |
|          | LC32345-001B   | AC INLET BKT  |                   |

#### MAIN POWER P.W. BOARD ASS'Y (SFP-9503A-M2)

| △Ref No. | Part No.    | Part Name    | Description Local |
|----------|-------------|--------------|-------------------|
| △IC9001  | QAL0425-001 | POWER MODULE |                   |
| IC9002   | FA5502M-W   | IC           |                   |

| △Ref No. | Part No.        | Part Name       | Description Local | △Ref No. | Part No.       | Part Name     | Description Local |
|----------|-----------------|-----------------|-------------------|----------|----------------|---------------|-------------------|
| IC9201   | STR-W6765-F5    | IC              |                   | D9606    | D1FL20U-X      | SI DIODE      |                   |
| IC9202   | SI-8050S        | IC              |                   | D9607    | MTZJ33B-T2     | Z DIODE       |                   |
| IC9204   | UTCTL431-T      | IC              |                   | D9612    | D1FL20U-X      | SI DIODE      |                   |
| IC9401   | F9214L-F226     | IC              |                   | D9613    | D1FL20U-X      | SI DIODE      |                   |
| IC9403   | UTCTL431-T      | IC              |                   | D9614    | MA111-X        | SI DIODE      |                   |
| IC9601   | STR-G6452-F3    | IC              |                   | D9615    | RGP10J-5025-T3 | SI DIODE      |                   |
| IC9602   | UTCTL431-T      | IC              |                   | D9622    | D1FL20U-X      | SI DIODE      |                   |
| IC9611   | STR-G6452-F3    | IC              |                   | D9623    | D1FL20U-X      | SI DIODE      |                   |
| IC9612   | UTCTL431-T      | IC              |                   | D9624    | MA111-X        | SI DIODE      |                   |
| IC9621   | STR-G6452-F3    | IC              |                   | D9625    | RGP10J-5025-T3 | SI DIODE      |                   |
| IC9622   | UTCTL431-T      | IC              |                   | D9631    | 1N4002G-T2     | SI DIODE      |                   |
| IC9631   | L7815CP         | IC              |                   | D9632    | EC30HA03L-X    | SB DIODE      |                   |
| IC9632   | SI-8033S/F1     | IC              |                   | D9633    | EC30HA03L-X    | SB DIODE      |                   |
|          |                 |                 |                   | D9634    | PTZ3.9B-X      | Z DIODE       |                   |
|          |                 |                 |                   | D9635    | MA111-X        | SI DIODE      |                   |
|          |                 |                 |                   | D9636    | MA111-X        | SI DIODE      |                   |
|          |                 |                 |                   | D9637    | MTZJ27B-T2     | Z DIODE       |                   |
| Q9002    | 2SC2411K/QR/-X  | TRANSISTOR      |                   | △C9001   | QCZ9079-102    | C CAPACITOR   | 1000pF AC250V M   |
| Q9003    | 2SC3928A/QR/-X  | TRANSISTOR      |                   | C9003    | QEHR1AM-337Z   | E CAPACITOR   | 330uF 10V M       |
| Q9004    | 2SK2196         | POWER MOS FET   |                   | C9004    | QECR1CM-477Z   | E CAPACITOR   | 470uF 16V M       |
| Q9005    | 2SK2196         | POWER MOS FET   |                   | C9005    | QEZ0709-106    | E CAPACITOR   | 10uF 450V M       |
| Q9006    | 2SC3074/OY/-X   | TRANSISTOR      |                   | △C9014   | QFZ9072-105    | MM CAPACITOR  | 1uF AC250V K      |
| Q9007    | 2SA1244/OY/-X   | TRANSISTOR      |                   | △C9019   | QFZ9072-474    | MM CAPACITOR  | 0.47uF AC250V K   |
| Q9008    | 2SC3928A/QR/-X  | TRANSISTOR      |                   | C9020    | QFZ0128-474    | MPP CAPACITOR | 0.47uF DC400V H   |
| Q9201    | 2SD1266A/QP/-X  | POW TRANSISTOR  |                   | C9021    | QEZ0601-187    | E CAPACITOR   | 180uF 450V M      |
| Q9207    | 2SC3928A/QR/-X  | TRANSISTOR      |                   | C9022    | QEZ0601-187    | E CAPACITOR   | 180uF 450V M      |
| Q9215    | 2SC3928A/QR/-X  | TRANSISTOR      |                   | C9023    | QEHR1HM-105Z   | E CAPACITOR   | 1uF 50V M         |
| Q9401    | 2SK3264-01MR-F1 | POWER MOS FET   |                   | C9024    | NCB31HK-153X   | C CAPACITOR   | 0.015uF 50V K     |
| Q9402    | 2SC3928A/QR/-X  | TRANSISTOR      |                   | C9025    | NDC31HJ-471X   | C CAPACITOR   | 470pF 50V J       |
| Q9405    | 2SC3928A/QR/-X  | TRANSISTOR      |                   | C9027    | NCB31HK-104X   | C CAPACITOR   | 0.1uF 50V K       |
| Q9408    | 2SC3928A/QR/-X  | TRANSISTOR      |                   | C9028    | NCB31HK-103X   | C CAPACITOR   | 0.01uF 50V K      |
| Q9409    | 2SC3928A/QR/-X  | TRANSISTOR      |                   | C9029    | NCF31CZ-334X   | C CAPACITOR   | 0.33uF 16V Z      |
| Q9411    | UN2213-X        | DIGI TRANSISTOR |                   | C9030    | QEHR1VM-107Z   | E CAPACITOR   | 100uF 35V M       |
| Q9412    | UN2213-X        | DIGI TRANSISTOR |                   | C9031    | NCB31CK-154X   | C CAPACITOR   | 0.15uF 16V K      |
|          |                 |                 |                   | C9032    | NDC31HJ-680X   | C CAPACITOR   | 68pF 50V J        |
| D9001    | S1WB/A60-4101   | BRIDGE DIODE    |                   | C9033    | NDC31HJ-471X   | C CAPACITOR   | 470pF 50V J       |
| D9002    | D25XB60         | BRIDGE DIODE    |                   | C9034    | NCB31HK-152X   | C CAPACITOR   | 1500pF 50V K      |
| D9006    | YG963S6R        | SI DIODE        |                   | C9201    | QEHR1HM-105Z   | E CAPACITOR   | 1uF 50V M         |
| D9007    | MA111-X         | SI DIODE        |                   | C9202    | NDC31HJ-471X   | C CAPACITOR   | 470pF 50V J       |
| D9008    | MA111-X         | SI DIODE        |                   | C9203    | QCZ0340-471    | C CAPACITOR   | 470pF 2kV K       |
| D9010    | D1FS4-X         | SB DIODE        |                   | C9204    | QEHR1VM-476Z   | E CAPACITOR   | 47uF 35V M        |
| D9011    | D1FS4-X         | SB DIODE        |                   | C9205    | NCB31HK-102X   | C CAPACITOR   | 1000pF 50V K      |
| D9012    | YG963S6R        | SI DIODE        |                   | C9207    | QFP32JK-332    | PP CAPACITOR  | 3300pF 630V K     |
| D9013    | MA8068/M/-X     | Z DIODE         |                   | C9208    | NCB31HK-104X   | C CAPACITOR   | 0.1uF 50V K       |
| D9014    | MA8110/H/-X     | Z DIODE         |                   | C9210    | QEHR1VM-476Z   | E CAPACITOR   | 47uF 35V M        |
| D9015    | MA8051/M/-X     | Z DIODE         |                   | C9213    | QEHQ2AM-477    | E CAPACITOR   | 470uF 100V M      |
| D9201    | MTZJ33B-T2      | Z DIODE         |                   | C9214    | QEHQ2AM-477    | E CAPACITOR   | 470uF 100V M      |
| D9202    | MA111-X         | SI DIODE        |                   | C9215    | QECQ1EM-228    | E CAPACITOR   | 2200uF 25V M      |
| D9203    | RGP10J-5025-T3  | SI DIODE        |                   | C9216    | QEHR1VM-477Z   | E CAPACITOR   | 470uF 35V M       |
| D9204    | MA8120-X        | Z DIODE         |                   | C9217    | QFLC2AJ-104Z   | M CAPACITOR   | 0.1uF 100V J      |
| D9205    | D1FL20U-X       | SI DIODE        |                   | C9220    | NCB31HK-153X   | C CAPACITOR   | 0.015uF 50V K     |
| D9206    | MA8240-X        | Z DIODE         |                   | C9221    | QECR1EM-687Z   | E CAPACITOR   | 680uF 25V M       |
| D9207    | RGP10J-5025-T3  | SI DIODE        |                   | C9223    | QEZ0256-128    | E CAPACITOR   | 1200uF 10V M      |
| D9208    | SARS01-T2       | SI DIODE        |                   | C9227    | QEHR1HM-107Z   | E CAPACITOR   | 100uF 50V M       |
| D9209    | SARS01-T2       | SI DIODE        |                   | C9401    | QCZ0340-152    | C CAPACITOR   | 1500pF 2kV K      |
| D9210    | RGP10J-5025-T3  | SI DIODE        |                   | C9402    | QFZ0219-105    | MPP CAPACITOR | 1uF 400V J        |
| D9211    | FML-G12S        | SI DIODE        |                   | C9403    | NDC31HJ-150X   | C CAPACITOR   | 15pF 50V J        |
| D9212    | RU3AM-LFC4      | SI DIODE        |                   | C9404    | NDC31HJ-181X   | C CAPACITOR   | 180pF 50V J       |
| D9213    | FML-G14S        | SI DIODE        |                   | C9405    | NCB31HK-104X   | C CAPACITOR   | 0.1uF 50V K       |
| D9214    | MA111-X         | SI DIODE        |                   | C9406    | QCZ0340-471    | C CAPACITOR   | 470pF 2kV K       |
| D9216    | MA111-X         | SI DIODE        |                   | C9408    | NDC31HJ-100X   | C CAPACITOR   | 10pF 50V J        |
| D9218    | EC30HA03L-X     | SB DIODE        |                   | C9410    | NCB31HK-104X   | C CAPACITOR   | 0.1uF 50V K       |
| D9219    | EC30HA03L-X     | SB DIODE        |                   | C9411    | NCB31HK-333X   | C CAPACITOR   | 0.033uF 50V K     |
| D9220    | PTZ6.8B-X       | Z DIODE         |                   | C9412    | QECR1EM-476Z   | E CAPACITOR   | 47uF 25V M        |
| D9223    | MA8330/M/-X     | Z DIODE         |                   | C9414    | QEZ0599-108    | E CAPACITOR   | 1000uF 200V M     |
| D9229    | MA8047-X        | Z DIODE         |                   | C9415    | QEZ0599-108    | E CAPACITOR   | 1000uF 200V M     |
| D9230    | NRSA02J-0R0X    | MG RESISTOR     | 0Ω 1/10W J        | C9416    | QFP32GJ-393    | PP CAPACITOR  | 0.039uF 400V J    |
| D9401    | SARS01-T2       | SI DIODE        |                   | C9417    | NCB31HK-821X   | C CAPACITOR   | 820pF 50V K       |
| D9402    | EG01C-T2        | SI DIODE        |                   | C9601    | QCZ0340-471    | C CAPACITOR   | 470pF 2kV K       |
| D9403    | EC30HA03L-X     | SB DIODE        |                   | C9602    | NCB31HK-152X   | C CAPACITOR   | 1500pF 50V K      |
| D9404    | FMG-G2CS        | SI DIODE        |                   | C9603    | QEHR1HM-226Z   | E CAPACITOR   | 22uF 50V M        |
| D9405    | MA111-X         | SI DIODE        |                   | C9604    | NDC31HJ-561X   | C CAPACITOR   | 560pF 50V J       |
| D9406    | EG01C-T2        | SI DIODE        |                   | C9606    | QEHR2AM-107Z   | E CAPACITOR   | 100uF 100V M      |
| D9407    | EG01C-T2        | SI DIODE        |                   | C9607    | QEHR1HM-475Z   | E CAPACITOR   | 4.7uF 50V M       |
| D9408    | D1FL20U-X       | SI DIODE        |                   | C9608    | NCB31HK-104X   | C CAPACITOR   | 0.1uF 50V K       |
| D9409    | FMG-G2CS        | SI DIODE        |                   | C9611    | QCZ0340-471    | C CAPACITOR   | 470pF 2kV K       |
| D9410    | FMG-G2CS        | SI DIODE        |                   | C9612    | NDC31HJ-471X   | C CAPACITOR   | 470pF 50V J       |
| D9413    | MA8330/M/-X     | Z DIODE         |                   | C9613    | QEHR1HM-226Z   | E CAPACITOR   | 22uF 50V M        |
| D9414    | NRSA02J-0R0X    | MG RESISTOR     | 0Ω 1/10W J        | C9614    | NCB31HK-102X   | C CAPACITOR   | 1000pF 50V K      |
| D9415    | NRSA02J-0R0X    | MG RESISTOR     | 0Ω 1/10W J        | C9615    | NCB31HK-104X   | C CAPACITOR   | 0.1uF 50V K       |
| D9416    | NRSA02J-0R0X    | MG RESISTOR     | 0Ω 1/10W J        | C9616    | QEHR2DM-226Z   | E CAPACITOR   | 22uF 200V M       |
| D9420    | PTZ3.9B-X       | Z DIODE         |                   | C9621    | QCZ0340-471    | C CAPACITOR   | 470pF 2kV K       |
| D9421    | MA111-X         | SI DIODE        |                   | C9622    | NDC31HJ-471X   | C CAPACITOR   | 470pF 50V J       |
| D9422    | MA8082/M/-X     | Z DIODE         |                   | C9623    | QEHR1HM-226Z   | E CAPACITOR   | 22uF 50V M        |
| D9423    | EG01C-T2        | SI DIODE        |                   | C9624    | NCB31HK-102X   | C CAPACITOR   | 1000pF 50V K      |
| D9424    | EG01C-T2        | SI DIODE        |                   | C9625    | NCB31HK-104X   | C CAPACITOR   | 0.1uF 50V K       |
| D9602    | D1FL20U-X       | SI DIODE        |                   |          |                |               |                   |
| D9603    | D1FL20U-X       | SI DIODE        |                   |          |                |               |                   |
| D9604    | MA111-X         | SI DIODE        |                   |          |                |               |                   |
| D9605    | RGP10J-5025-T3  | SI DIODE        |                   |          |                |               |                   |

| △Ref No. | Part No.     | Part Name       | Description Local | △Ref No. | Part No.     | Part Name      | Description Local |
|----------|--------------|-----------------|-------------------|----------|--------------|----------------|-------------------|
| C9626    | QEHR2DM-226Z | E CAPACITOR     | 22uF 200V M       | R9401    | QRE121J-824Y | C RESISTOR     | 820kΩ 1/2W J      |
| C9627    | NCB31HK-222X | C CAPACITOR     | 2200pF 50V K      | R9402    | QRL039J-220  | OMF RESISTOR   | 22Ω 3W J          |
| C9628    | NCB31HK-222X | C CAPACITOR     | 2200pF 50V K      | R9403    | QRL039J-563  | OMF RESISTOR   | 56kΩ 3W J         |
| C9630    | NCB31HK-222X | C CAPACITOR     | 2200pF 50V K      | R9404    | QRM059J-R22  | MP RESISTOR    | 0.22Ω 5W J        |
| C9631    | QEHR1VM-227Z | E CAPACITOR     | 220uF 35V M       | R9405    | QRT029J-3R9  | MF RESISTOR    | 3.9Ω 2W J         |
| C9632    | QEHR1EM-227Z | E CAPACITOR     | 220uF 25V M       | R9406    | QRE121J-120Y | C RESISTOR     | 12Ω 1/2W J        |
| C9633    | QECR1EM-687Z | E CAPACITOR     | 680uF 25V M       | R9407    | NRSA63J-473X | MG RESISTOR    | 47kΩ 1/16W J      |
| C9635    | QECR1AM-128Z | E CAPACITOR     | 1200uF 10V M      | R9408    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| △R9001   | QRZ0057-825  | C RESISTOR      | 8.2MΩ 1W J        | R9409    | NRSA63J-274X | MG RESISTOR    | 270kΩ 1/16W J     |
| R9003    | QRX01GJ-1R0  | MF RESISTOR     | 1Ω 1W J           | R9411    | NRSA63J-0P0X | MG RESISTOR    | 0Ω 1/16W J        |
| R9004    | QRX01GJ-R82  | MF RESISTOR     | 0.82Ω 1W J        | R9413    | NRSA63J-473X | MG RESISTOR    | 47kΩ 1/16W J      |
| R9007    | QRE121J-151Y | C RESISTOR      | 150Ω 1/2W J       | R9414    | NRSA63J-472X | MG RESISTOR    | 4.7kΩ 1/16W J     |
| R9008    | NRSA63J-102X | MG RESISTOR     | 1kΩ 1/16W J       | △R9415   | QRZ9017-470  | FUSI RESISTOR  | 47Ω 1/4W J        |
| R9009    | NRSA63J-473X | MG RESISTOR     | 47kΩ 1/16W J      | R9416    | NRSA63J-102X | MG RESISTOR    | 1kΩ 1/16W J       |
| R9010    | NRSA63J-473X | MG RESISTOR     | 47kΩ 1/16W J      | R9417    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R9011    | NRSA63J-472X | MG RESISTOR     | 4.7kΩ 1/16W J     | R9418    | NRSA63J-473X | MG RESISTOR    | 47kΩ 1/16W J      |
| △R9012   | QRZ9055-4R7  | FUSI RESISTOR   | 4.7Ω 2W K         | R9420    | NRS12BJ-823W | MG RESISTOR    | 82kΩ 1/2W J       |
| R9013    | QRZ0216-4R7  | UNF WW RESISTOR | 4.7Ω 7W K         | R9421    | NRS12BJ-562W | MG RESISTOR    | 5.6kΩ 1/2W J      |
| R9015    | QRE121J-224Y | C RESISTOR      | 220kΩ 1/2W J      | R9422    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R9016    | QRE121J-224Y | C RESISTOR      | 220kΩ 1/2W J      | R9423    | NRS12BJ-823W | MG RESISTOR    | 82kΩ 1/2W J       |
| △R9017   | QRZ9009-220  | FUSI RESISTOR   | 22Ω 1/2W J        | R9424    | QVP0087-501Z | TRIM RESISTOR  | 500Ω 0.3W N       |
| △R9018   | QFZ9017-4R7  | FUSI RESISTOR   | 4.7Ω 1/4W J       | R9425    | NRSA63D-222X | MG RESISTOR    | 2.2kΩ 1/16W D     |
| R9019    | NRSA63J-103X | MG RESISTOR     | 10kΩ 1/16W J      | R9426    | NRSA63J-473X | MG RESISTOR    | 47kΩ 1/16W J      |
| R9020    | QRE121J-331Y | C RESISTOR      | 330Ω 1/2W J       | R9435    | QRE121J-124Y | C RESISTOR     | 120kΩ 1/2W J      |
| △R9021   | QRZ9017-4R7  | FUSI RESISTOR   | 4.7Ω 1/4W J       | R9436    | NRSA63J-563X | MG RESISTOR    | 56kΩ 1/16W J      |
| R9022    | NRSA63J-103X | MG RESISTOR     | 10kΩ 1/16W J      | R9450    | NRSA63J-472X | MG RESISTOR    | 4.7kΩ 1/16W J     |
| R9024    | QRM059J-R15  | MP RESISTOR     | 0.15Ω 5W J        | R9451    | NRSA63J-473X | MG RESISTOR    | 47kΩ 1/16W J      |
| R9025    | QRM059J-R15  | MP RESISTOR     | 0.15Ω 5W J        | R9452    | NRSA63J-473X | MG RESISTOR    | 47kΩ 1/16W J      |
| R9029    | NRS144F-124X | MG RESISTOR     | 120kΩ 1/4W F      | R9453    | NRSA63J-473X | MG RESISTOR    | 47kΩ 1/16W J      |
| R9030    | NRS144F-124X | MG RESISTOR     | 120kΩ 1/4W F      | R9454    | NRSA63J-472X | MG RESISTOR    | 4.7kΩ 1/16W J     |
| R9031    | NRS144F-224X | MG RESISTOR     | 220kΩ 1/4W F      | R9455    | NRSA63J-332X | MG RESISTOR    | 3.3kΩ 1/16W J     |
| R9032    | NRS144F-224X | MG RESISTOR     | 220kΩ 1/4W F      | R9456    | NRSA63J-332X | MG RESISTOR    | 3.3kΩ 1/16W J     |
| R9033    | NRS144F-124X | MG RESISTOR     | 120kΩ 1/4W F      | R9457    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R9034    | NRS144F-124X | MG RESISTOR     | 120kΩ 1/4W F      | R9601    | QRX01GJ-1R8  | MF RESISTOR    | 1.8Ω 1W J         |
| R9035    | QRE121J-472Y | C RESISTOR      | 4.7kΩ 1/2W J      | R9603    | QRK126J-681X | UNF C RESISTOR | 680Ω 1/2W J       |
| R9036    | NRSA63J-473X | MG RESISTOR     | 47kΩ 1/16W J      | △R9604   | QRZ9017-100  | FUSI RESISTOR  | 10Ω 1/4W J        |
| R9037    | NRSA63J-103X | MG RESISTOR     | 10kΩ 1/16W J      | R9605    | QRE121J-222Y | C RESISTOR     | 2.2kΩ 1/2W J      |
| R9038    | NRSA63J-102X | MG RESISTOR     | 1kΩ 1/16W J       | R9606    | QRE121J-183Y | C RESISTOR     | 18kΩ 1/2W J       |
| R9040    | NRSA63J-682X | MG RESISTOR     | 6.8kΩ 1/16W J     | R9607    | NRSA63J-102X | MG RESISTOR    | 1kΩ 1/16W J       |
| R9045    | NRSA63J-270X | MG RESISTOR     | 27Ω 1/16W J       | R9608    | NRS12BJ-823W | MG RESISTOR    | 82kΩ 1/2W J       |
| R9046    | NRSA63J-0R0X | MG RESISTOR     | 0Ω 1/16W J        | R9609    | QRK126J-562X | UNF C RESISTOR | 5.6kΩ 1/2W J      |
| R9047    | NRSA63J-273X | MG RESISTOR     | 27kΩ 1/16W J      | R9610    | NRSA63J-102X | MG RESISTOR    | 1kΩ 1/16W J       |
| R9048    | NRSA63J-473X | MG RESISTOR     | 47kΩ 1/16W J      | R9611    | QRX01GJ-1R0  | MF RESISTOR    | 1Ω 1W J           |
| R9049    | QRK126J-820X | UNF C RESISTOR  | 82Ω 1/2W J        | R9613    | QRK126J-681X | UNF C RESISTOR | 680Ω 1/2W J       |
| R9051    | NRSA63J-103X | MG RESISTOR     | 10kΩ 1/16W J      | △R9614   | QRZ9017-100  | FUSI RESISTOR  | 10Ω 1/4W J        |
| R9052    | NRSA63J-222X | MG RESISTOR     | 2.2kΩ 1/16W J     | R9615    | QRE121J-222Y | C RESISTOR     | 2.2kΩ 1/2W J      |
| R9053    | NRSA63J-394X | MG RESISTOR     | 390kΩ 1/16W J     | R9616    | NRSA63J-562X | MG RESISTOR    | 5.6kΩ 1/16W J     |
| R9054    | NRSA63J-333X | MG RESISTOR     | 330kΩ 1/16W J     | R9617    | NRSA63J-102X | MG RESISTOR    | 1kΩ 1/16W J       |
| R9056    | NRSA63D-152X | MG RESISTOR     | 1.5kΩ 1/16W D     | R9618    | NRSA63J-472X | MG RESISTOR    | 4.7kΩ 1/16W J     |
| R9057    | NRSA63J-0R0X | MG RESISTOR     | 0Ω 1/16W J        | R9619    | QRK126J-562X | UNF C RESISTOR | 5.6kΩ 1/2W J      |
| R9060    | NRSA63D-222X | MG RESISTOR     | 2.2kΩ 1/16W D     | R9621    | QRX01GJ-1R0  | MF RESISTOR    | 1Ω 1W J           |
| R9061    | QRZ0216-4R7  | UNF WW RESISTOR | 4.7Ω 7W K         | R9623    | QRK126J-681X | UNF C RESISTOR | 680Ω 1/2W J       |
| R9062    | QRE121J-100Y | C RESISTOR      | 10Ω 1/2W J        | △R9624   | QRZ9017-100  | FUSI RESISTOR  | 10Ω 1/4W J        |
| R9063    | NRSA63J-0R0X | MG RESISTOR     | 0Ω 1/16W J        | R9625    | QRE121J-222Y | C RESISTOR     | 2.2kΩ 1/2W J      |
| R9065    | NRSA63J-472X | MG RESISTOR     | 4.7kΩ 1/16W J     | R9626    | NRSA63J-562X | MG RESISTOR    | 5.6kΩ 1/16W J     |
| R9066    | NRSA63J-104X | MG RESISTOR     | 100kΩ 1/16W J     | R9627    | NRSA63J-102X | MG RESISTOR    | 1kΩ 1/16W J       |
| R9201    | QRL039J-563  | OMF RESISTOR    | 56kΩ 3W J         | R9628    | QVP0087-202Z | TRIM RESISTOR  | 2kΩ 0.3W N        |
| R9202    | QRL039J-563  | OMF RESISTOR    | 56kΩ 3W J         | R9629    | QRK126J-562X | UNF C RESISTOR | 5.6kΩ 1/2W J      |
| R9204    | QRT029J-R27  | MF RESISTOR     | 0.27Ω 2W J        | R9632    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R9205    | QRK126J-101X | UNF C RESISTOR  | 100Ω 1/2W J       | R9635    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R9206    | QRE121J-182Y | C RESISTOR      | 1.8kΩ 1/2W J      | R9636    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R9207    | NRSA63J-332X | MG RESISTOR     | 3.3kΩ 1/16W J     | R9637    | NRS12BJ-683W | MG RESISTOR    | 68kΩ 1/2W J       |
| R9208    | QRE121J-684Y | C RESISTOR      | 680kΩ 1/2W J      | R9638    | NRS12BJ-683W | MG RESISTOR    | 68kΩ 1/2W J       |
| R9209    | QRL039J-220  | OMF RESISTOR    | 22Ω 3W J          | R9639    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| △R9210   | QRZ9009-100  | FUSI RESISTOR   | 10Ω 1/2W J        | R9640    | QVP0087-102Z | TRIM RESISTOR  | 1kΩ 0.3W N        |
| R9211    | NRSA63J-332X | MG RESISTOR     | 3.3kΩ 1/16W J     | R9641    | NRSA63J-123X | MG RESISTOR    | 12kΩ 1/16W J      |
| R9212    | NRSA63J-102X | MG RESISTOR     | 1kΩ 1/16W J       | R9642    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R9213    | NRSA63J-102X | MG RESISTOR     | 1kΩ 1/16W J       | R9643    | NRS12BJ-683W | MG RESISTOR    | 68kΩ 1/2W J       |
| R9214    | NRSA63J-472X | MG RESISTOR     | 4.7kΩ 1/16W J     | R9644    | NRS12BJ-683W | MG RESISTOR    | 68kΩ 1/2W J       |
| R9216    | NRSA63J-332X | MG RESISTOR     | 3.3kΩ 1/16W J     | R9645    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| R9217    | QRE121J-102Y | C RESISTOR      | 1kΩ 1/2W J        | R9646    | QVP0087-102Z | TRIM RESISTOR  | 1kΩ 0.3W N        |
| R9218    | QRE121J-124Y | C RESISTOR      | 120kΩ 1/2W J      | R9647    | NRSA63J-123X | MG RESISTOR    | 12kΩ 1/16W J      |
| R9219    | QVP0087-202Z | TRIM RESISTOR   | 2kΩ 0.3W N        | R9648    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R9220    | NRSA63D-472X | MG RESISTOR     | 4.7kΩ 1/16W D     | △R9649   | QRZ9009-1R5  | FUSI RESISTOR  | 1.5Ω 1/2W J       |
| R9221    | NRSA63J-123X | MG RESISTOR     | 12kΩ 1/16W J      | △R9650   | QRZ9009-1R5  | FUSI RESISTOR  | 1.5Ω 1/2W J       |
| R9225    | NRSA63J-0R0X | MG RESISTOR     | 0Ω 1/16W J        | △R9651   | QRZ9009-1R5  | FUSI RESISTOR  | 1.5Ω 1/2W J       |
| R9239    | NRSA63J-472X | MG RESISTOR     | 4.7kΩ 1/16W J     | L9001    | QQL26AM-4R7Z | PEAKING COIL   | 4.7uH M           |
| R9240    | QRE121J-273Y | C RESISTOR      | 27kΩ 1/2W J       | L9002    | QQR1440-001  | CHOKE COIL     |                   |
| R9241    | NRSA63J-273X | MG RESISTOR     | 27kΩ 1/16W J      | L9201    | QQR1432-001  | CHOKE COIL     |                   |
| R9243    | NRSA63J-0R0X | MG RESISTOR     | 0Ω 1/16W J        | L9401    | QQL2026-5R0  | COIL           | 5uH ±7%           |
| R9266    | NRSA63J-472X | MG RESISTOR     | 4.7kΩ 1/16W J     | L9631    | QQR1432-001  | CHOKE COIL     |                   |
| R9267    | NRSA63J-332X | MG RESISTOR     | 3.3kΩ 1/16W J     | △T9201   | QQS0248-001  | SW TRANSF      |                   |
| R9268    | NRSA63J-182X | MG RESISTOR     | 1.8kΩ 1/16W J     | △T9401   | QQS0246-001  | SW TRANSF      |                   |
| R9269    | NRSA63J-472X | MG RESISTOR     | 4.7kΩ 1/16W J     | △T9402   | QQS0252-001  | SW TRANSF      |                   |
| R9270    | NRSA63J-473X | MG RESISTOR     | 47kΩ 1/16W J      | △T9601   | QQS0250-001  | SW TRANSF      |                   |
| R9271    | QRL039J-682  | OMF RESISTOR    | 6.8kΩ 3W J        | △T9602   | QQS0251-001  | SW TRANSF      |                   |

| △Ref No. | Part No.        | Part Name       | Description   | Local |
|----------|-----------------|-----------------|---------------|-------|
| △T9603   | QQS0251-001     | SW TRANSF       |               |       |
| △PC9001  | PS2581AL1/QW/   | PHOTO COUPLER   |               |       |
| △PC9201  | PS2581AL1/QW/   | PHOTO COUPLER   |               |       |
| △PC9203  | PS2581AL1/QW/   | PHOTO COUPLER   |               |       |
| △PC9401  | PS2581AL1/QW/   | PHOTO COUPLER   |               |       |
| △PC9402  | PS2581AL1/QW/   | PHOTO COUPLER   |               |       |
| △PC9601  | PC817CD         | PHOTO COUPLER   |               |       |
| △PC9611  | PC817CD         | PHOTO COUPLER   |               |       |
| △PC9621  | PC817CD         | PHOTO COUPLER   |               |       |
| △CP9001  | QMFZ043-5R0Z-J1 | FUSE            | 5A AC250V     |       |
| △CP9002  | QMFZ052-2R0-E   | FUSE            | 2A AC250V     |       |
| △CP9202  | ICP-N70-T       | IC PROTECTOR    | 2.5A          |       |
| △CP9601  | QMFZ052-2R0-E   | FUSE            | 2A AC250V     |       |
| △LF9001  | QQR1281-002     | LINE FILTER     |               |       |
| △RY9001  | QSK0118-001     | RELAY           |               |       |
| △RY9002  | QSK0099-001     | RELAY           |               |       |
| △TH9001  | QAD0125-471     | P THERMISTOR    | 110°C470Ω 16V |       |
|          | LC41755-001A    | RADIATION SHEET |               |       |
|          | CE41666-002     | RADIATION SHEET | (x2)          |       |
|          | LC42094-001A    | COOLING SHEET   |               |       |
|          | LC42094-002A    | COOLING SHEET   | (x11)         |       |

### SUB POWER P.W. BOARD ASS'Y (SFP-9505A-M2)

| △Ref No. | Part No.       | Part Name      | Description     | Local |
|----------|----------------|----------------|-----------------|-------|
| IC9001   | STR-W6765-F5   | IC             |                 |       |
| IC9051   | UTCTL431-T     | IC             |                 |       |
| D9001    | MTZJ33B-T2     | Z DIODE        |                 |       |
| D9004    | RGP10J-04TS-T3 | SI DIODE       |                 |       |
| D9005    | 1SS133-T2      | SI DIODE       |                 |       |
| D9006    | RGP10J-04TS-T3 | SI DIODE       |                 |       |
| D9008    | SARS01-T2      | SI DIODE       |                 |       |
| D9009    | SARS01-T2      | SI DIODE       |                 |       |
| D9011    | 1SS133-T2      | SI DIODE       |                 |       |
| D9051    | FMX-22S        | SI DIODE       |                 |       |
| D9052    | RU3YX-LFC4     | SI DIODE       |                 |       |
| C9001    | QEZO674-476    | E CAPACITOR    | 47uF 450V M     |       |
| C9002    | QFP32JK-332    | PP CAPACITOR   | 3300pF 630V K   |       |
| C9003    | QCZ0340-471    | C CAPACITOR    | 470pF 2kV K     |       |
| C9004    | QCS31HJ-471Z   | C CAPACITOR    | 470pF 50V J     |       |
| C9006    | QCB31HK-562Z   | C CAPACITOR    | 5600pF 50V K    |       |
| C9007    | QEH11HM-476Z   | E CAPACITOR    | 47uF 50V M      |       |
| C9008    | QFLC1HJ-104Z   | M CAPACITOR    | 0.1uF 50V J     |       |
| C9010    | QEH11HM-105Z   | E CAPACITOR    | 1uF 50V M       |       |
| C9051    | QECQ1EM-228    | E CAPACITOR    | 2200uF 25V M    |       |
| C9052    | QECQ1EM-228    | E CAPACITOR    | 2200uF 25V M    |       |
| C9053    | QEH11EM-108Z   | E CAPACITOR    | 1000uF 25V M    |       |
| C9057    | QFLC1HJ-104Z   | M CAPACITOR    | 0.1uF 50V J     |       |
| △C9901   | QCZ9079-102    | C CAPACITOR    | 1000pF AC250V M |       |
| △C9902   | QCZ9079-102    | C CAPACITOR    | 1000pF AC250V M |       |
| R9001    | QRK126J-101X   | UNF C RESISTOR | 100Ω 1/2W J     |       |
| R9002    | QRM059J-R56    | MP RESISTOR    | 0.56Ω 5W J      |       |
| R9004    | QRL029J-104    | OMF RESISTOR   | 100kΩ 2W J      |       |
| R9005    | QRL029J-104    | OMF RESISTOR   | 100kΩ 2W J      |       |
| R9006    | QRE121J-122Y   | C RESISTOR     | 1.2kΩ 1/2W J    |       |
| R9008    | QRE121J-564Y   | C RESISTOR     | 560kΩ 1/2W J    |       |
| R9009    | QRL039J-220    | OMF RESISTOR   | 22Ω 3W J        |       |
| △R9010   | QRZ9017-470    | FUSI RESISTOR  | 47Ω 1/4W J      |       |
| R9011    | QRE141J-332Y   | C RESISTOR     | 3.3kΩ 1/4W J    |       |
| R9012    | QRE141J-102Y   | C RESISTOR     | 1kΩ 1/4W J      |       |
| R9050    | QRL039J-181    | OMF RESISTOR   | 180Ω 3W J       |       |
| R9051    | QRE141J-102Y   | C RESISTOR     | 1kΩ 1/4W J      |       |
| R9053    | QRE141J-123Y   | C RESISTOR     | 12kΩ 1/4W J     |       |
| R9055    | QRA14CF-8201Y  | CMF RESISTOR   | 8.2kΩ 1/4W F    |       |
| R9057    | QRA14CF-2001Y  | CMF RESISTOR   | 2kΩ 1/4W F      |       |
| R9058    | QRE141J-273Y   | C RESISTOR     | 27kΩ 1/4W J     |       |
| R9059    | QRE141J-102Y   | C RESISTOR     | 1kΩ 1/4W J      |       |

|         |                 |               |           |  |
|---------|-----------------|---------------|-----------|--|
| T9001   | QQS0247-001     | SW TRANSF     |           |  |
| △PC9001 | PS2581AL1/QW/   | PHOTO COUPLER |           |  |
| △CP9001 | QMFZ043-5R0Z-J1 | FUSE          | 5A AC250V |  |
| △CP9051 | ICP-N50-Y       | IC PROTECTOR  | 2.0A      |  |



# PRINTED WIRING BOARD PARTS LIST [VM-50X795/Z]

## DISPLAY INTERFACE P.W. BOARD ASS'Y (SFP-7503A-M2)

| △Ref No. | Part No.       | Part Name   | Description Local |
|----------|----------------|-------------|-------------------|
| IC101    | PQ1CY1032Z-W   | IC          | 100pin            |
| IC102    | BA12FP-X       | IC          |                   |
| IC401    | PQ20WZ11-X     | IC          |                   |
| IC501    | SI1169CT100    | IC          |                   |
| IC502    | S-80828CLNB-W  | IC          |                   |
| IC601    | THC63LVDM83R-W | IC          |                   |
| IC602    | THC63LVDM83R-W | IC          |                   |
| IC801    | BA033FP-X      | IC          |                   |
| IC802    | BA05FP-X       | IC          |                   |
| IC803    | MAX3221CDB-X   | IC          |                   |
| IC805    | ATE16-50X795   | IC          | (SERVICE)         |
| IC807    | HD6433685A80H  | IC(MCU)     |                   |
| IC809    | S-80840CLNB-W  | IC          |                   |
| Q410     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q501     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q703     | 2SK2090-X      | MOS FET     |                   |
| Q704     | 2SK2090-X      | MOS FET     |                   |
| Q803     | 2SA1530A/QR/-X | TRANSISTOR  |                   |
| Q804     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q805     | 2SK2090-X      | MOS FET     |                   |
| Q806     | 2SK2090-X      | MOS FET     |                   |
| Q807     | 2SA1530A/QR/-X | TRANSISTOR  |                   |
| Q808     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q811     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q812     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| Q813     | 2SC3928A/QR/-X | TRANSISTOR  |                   |
| D101     | EC30HA03L-X    | SB DIODE    |                   |
| D102     | PTZ6.3B-X      | Z DIODE     |                   |
| D410     | MA111-X        | SI DIODE    |                   |
| D412     | MA111-X        | SI DIODE    |                   |
| D501     | BAV99L-X       | SI DIODE    |                   |
| D502     | BAV99L-X       | SI DIODE    |                   |
| D503     | BAV99L-X       | SI DIODE    |                   |
| D504     | BAV99L-X       | SI DIODE    |                   |
| D505     | BAV99L-X       | SI DIODE    |                   |
| D506     | BAV99L-X       | SI DIODE    |                   |
| D507     | BAV99L-X       | SI DIODE    |                   |
| D508     | BAV99L-X       | SI DIODE    |                   |
| D509     | BAV99L-X       | SI DIODE    |                   |
| D510     | BAV99L-X       | SI DIODE    |                   |
| D611     | MA8056/M/-X    | Z DIODE     |                   |
| D803     | MA111-X        | SI DIODE    |                   |
| D804     | MA8056/M/-X    | Z DIODE     |                   |
| D901     | 1SS355-X       | SI DIODE    |                   |
| D902     | 1SS355-X       | SI DIODE    |                   |
| C103     | QETM1EM-477    | E CAPACITOR | 470uF 25V M       |
| C105     | QETM0JM-108    | E CAPACITOR | 1000uF 6.3V M     |
| C108     | NEH71EM-336X   | E CAPACITOR | 33uF 25V M        |
| C109     | NEH71EM-336X   | E CAPACITOR | 33uF 25V M        |
| C112     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C113     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C114     | NEH71AM-107X   | E CAPACITOR | 100uF 10V M       |
| C117     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |
| C401     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C402     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C404     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C405     | NEH71CM-476X   | E CAPACITOR | 47uF 16V M        |
| C410     | NCB31CK-104X   | C CAPACITOR | 0.1uF 16V K       |
| C412     | NCB31CK-104X   | C CAPACITOR | 0.1uF 16V K       |
| C501     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |
| C502     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |
| C503     | NEH70JM-226X   | E CAPACITOR | 22uF 6.3V M       |
| C504     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C505     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C506     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C507     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C508     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C509     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C510     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C511     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C512     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C513     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C514     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C515     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C516     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C517     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C518     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C519     | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       |
| C601     | NEH70JM-107X   | E CAPACITOR | 100uF 6.3V M      |

| △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|
| C602     | NEH70JM-107X | E CAPACITOR | 100uF 6.3V M      |
| C603     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C604     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C610     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C611     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C612     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C621     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C622     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C623     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C624     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C625     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C626     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C802     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C803     | NEH70JM-226X | E CAPACITOR | 22uF 6.3V M       |
| C804     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C805     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C806     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C807     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C809     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C810     | NEH70JM-107X | E CAPACITOR | 100uF 6.3V M      |
| C811     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C812     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C814     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C815     | NEH70JM-226X | E CAPACITOR | 22uF 6.3V M       |
| C816     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C817     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C818     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C819     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C820     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C821     | NEH71CM-106X | E CAPACITOR | 10uF 16V M        |
| C823     | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J      |
| C825     | NDC31HJ-220X | C CAPACITOR | 22pF 50V J        |
| C826     | NDC31HJ-220X | C CAPACITOR | 22pF 50V J        |
| C828     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| C829     | NEH70JM-226X | E CAPACITOR | 22uF 6.3V M       |
| C832     | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       |
| R101     | NRSA63D-182X | MG RESISTOR | 1.8kΩ 1/16W D     |
| R102     | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D     |
| R103     | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R106     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R107     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R108     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R402     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| R403     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R408     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R410     | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R412     | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R413     | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R415     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R501     | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J      |
| R502     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R505     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R506     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R507     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R510     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R511     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R512     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R514     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R515     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R517     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R518     | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R519     | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
| R525     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R526     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R528     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R529     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R532     | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R533     | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R534     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R535     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R536     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R537     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R539     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R540     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R541     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R542     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R543     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R544     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R546     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R601     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R602     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R603     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R604     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |

| △Ref No. | Part No.     | Part Name   | Description Local | △Ref No. | Part No.     | Part Name     | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|---------------|-------------------|
| R605     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R886     | NRSA63J-472X | MG RESISTOR   | 4.7kΩ 1/16W J     |
| R606     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R887     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R608     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R890     | NRSA63J-333X | MG RESISTOR   | 33kΩ 1/16W J      |
| R609     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R891     | NRSA63J-333X | MG RESISTOR   | 33kΩ 1/16W J      |
| R611     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R893     | NRSA63J-333X | MG RESISTOR   | 33kΩ 1/16W J      |
| R613     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R894     | NRSA63J-104X | MG RESISTOR   | 100kΩ 1/16W J     |
| R614     | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      | R895     | NRSA63J-221X | MG RESISTOR   | 220Ω 1/16W J      |
| R615     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R896     | NRSA63J-221X | MG RESISTOR   | 220Ω 1/16W J      |
| R616     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R897     | NRSA63J-221X | MG RESISTOR   | 220Ω 1/16W J      |
| R617     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R898     | NRSA63J-221X | MG RESISTOR   | 220Ω 1/16W J      |
| R618     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R899     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R619     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R900     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R621     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R901     | NRSA63J-561X | MG RESISTOR   | 560Ω 1/16W J      |
| R626     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R902     | NRSA63J-102X | MG RESISTOR   | 1kΩ 1/16W J       |
| R631     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R904     | NRSA63J-102X | MG RESISTOR   | 1kΩ 1/16W J       |
| R632     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R906     | NRSA63J-104X | MG RESISTOR   | 100kΩ 1/16W J     |
| R633     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R908     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R635     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R910     | NRSA63J-153X | MG RESISTOR   | 15kΩ 1/16W J      |
| R636     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R911     | NRSA63J-223X | MG RESISTOR   | 22kΩ 1/16W J      |
| R637     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R912     | NRSA63J-223X | MG RESISTOR   | 22kΩ 1/16W J      |
| R801     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R914     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R802     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R915     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R803     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R917     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R804     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R918     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R805     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R919     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R806     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R920     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R807     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R921     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R808     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R923     | NRSA63J-473X | MG RESISTOR   | 47kΩ 1/16W J      |
| R809     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R924     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R810     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R925     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R811     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R926     | NRSA63J-182X | MG RESISTOR   | 1.8kΩ 1/16W J     |
| R812     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R927     | NRSA63J-102X | MG RESISTOR   | 1kΩ 1/16W J       |
| R813     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R928     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R814     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R932     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R815     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R933     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R816     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R934     | NRSA63J-104X | MG RESISTOR   | 100kΩ 1/16W J     |
| R817     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R935     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R818     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R936     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R820     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R937     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R821     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R938     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R825     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R939     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R826     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R940     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R833     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R942     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R834     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R943     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R836     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R945     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R837     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R946     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R838     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R947     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R839     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R948     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R842     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R949     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R843     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R950     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R844     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R951     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R845     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R952     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R846     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R953     | NRSA63J-473X | MG RESISTOR   | 47kΩ 1/16W J      |
| R847     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R961     | NRSA63J-472X | MG RESISTOR   | 4.7kΩ 1/16W J     |
| R848     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R962     | NRSA63J-101X | MG RESISTOR   | 100Ω 1/16W J      |
| R849     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R963     | NRSA63J-153X | MG RESISTOR   | 15kΩ 1/16W J      |
| R850     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R964     | NRSA63J-104X | MG RESISTOR   | 100kΩ 1/16W J     |
| R851     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R965     | NRSA63J-562X | MG RESISTOR   | 5.6kΩ 1/16W J     |
| R852     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R967     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R853     | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      | R968     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R854     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R969     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| R855     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R974     | NRSA63J-103X | MG RESISTOR   | 10kΩ 1/16W J      |
| R856     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R976     | NRSA63J-333X | MG RESISTOR   | 33kΩ 1/16W J      |
| R857     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R977     | NRSA63J-104X | MG RESISTOR   | 100kΩ 1/16W J     |
| R858     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | RA607    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R859     | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     | RA608    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R860     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | RA609    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R861     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | RA610    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R863     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | RA611    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R866     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | RA612    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R867     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | RA613    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R868     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | RA614    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R869     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | RA615    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R870     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | RA616    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R871     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | RA617    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R872     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | RA618    | NRZ0040-0R0X | NET RESISTOR  | 0Ω 1/16W J x4     |
| R873     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | L101     | NQL63EM-680X | COIL          | 68uH M            |
| R875     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | L501     | NQR0351-001X | FERRITE BEADS |                   |
| R877     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | L601     | NQR0351-001X | FERRITE BEADS |                   |
| R878     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | L801     | NQR0351-001X | FERRITE BEADS |                   |
| R879     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | L802     | NQR0351-001X | FERRITE BEADS |                   |
| R880     | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     | K801     | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |
| R881     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | K803     | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |
| R882     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | K804     | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |
| R883     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | K805     | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |
| R884     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |          |              |               |                   |
| R885     | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |          |              |               |                   |

| △Ref No. | Part No.                                    | Part Name                                   | Description Local |
|----------|---|---|-------------------|
| X801     | QAX0534-001<br>LC32269-001B<br>LC32270-002A | C RESONATOR<br>SHIELD COVER<br>SHIELD FRAME | 16.000MHz         |

## AUDIO P.W. BOARD ASS'Y (SFP-6501A-M2)

| △Ref No. | Part No.      | Part Name   | Description Local |
|----------|---------------|-------------|-------------------|
| IC6501   | BA4558F-X     | IC          |                   |
| IC6521   | NJW1137M-W    | IC          |                   |
| IC6551   | BA4558F-X     | IC          |                   |
| IC6552   | BA4558F-X     | IC          |                   |
| IC6571   | BA4558F-X     | IC          |                   |
| IC6572   | BA4558F-X     | IC          |                   |
| IC6621   | TA8270HA      | IC          |                   |
| Q6521    | 2SC3928A/QR-X | TRANSISTOR  |                   |
| Q6522    | 2SC3928A/QR-X | TRANSISTOR  |                   |
| Q6523    | 2SA1530A/QR-X | TRANSISTOR  |                   |
| Q6531    | 2SC3928A/QR-X | TRANSISTOR  |                   |
| Q6532    | 2SC3928A/QR-X | TRANSISTOR  |                   |
| Q6533    | 2SC3928A/QR-X | TRANSISTOR  |                   |
| Q6534    | 2SA1530A/QR-X | TRANSISTOR  |                   |
| Q6535    | 2SC3928A/QR-X | TRANSISTOR  |                   |
| Q6536    | 2SC3928A/QR-X | TRANSISTOR  |                   |
| Q6642    | 2SA1530A/QR-X | TRANSISTOR  |                   |
| Q6643    | 2SC3928A/QR-X | TRANSISTOR  |                   |
| D6501    | MA111-X       | SI DIODE    |                   |
| D6502    | MA111-X       | SI DIODE    |                   |
| D6503    | MA111-X       | SI DIODE    |                   |
| D6504    | MA111-X       | SI DIODE    |                   |
| D6505    | MA111-X       | SI DIODE    |                   |
| D6506    | MA111-X       | SI DIODE    |                   |
| D6551    | MA8062/M-X    | Z DIODE     |                   |
| D6621    | MA8330/M-X    | Z DIODE     |                   |
| D6622    | MA8330/M-X    | Z DIODE     |                   |
| D6623    | MA8330/M-X    | Z DIODE     |                   |
| D6624    | MA8330/M-X    | Z DIODE     |                   |
| D6625    | MA8330/M-X    | Z DIODE     |                   |
| D6626    | MA8330/M-X    | Z DIODE     |                   |
| D6627    | MA8330/M-X    | Z DIODE     |                   |
| D6628    | MA8330/M-X    | Z DIODE     |                   |
| D6629    | D1FS4-X       | SB DIODE    |                   |
| D6630    | D1FS4-X       | SB DIODE    |                   |
| D6631    | D1FS4-X       | SB DIODE    |                   |
| D6632    | D1FS4-X       | SB DIODE    |                   |
| D6641    | MA111-X       | SI DIODE    |                   |
| D6642    | MA111-X       | SI DIODE    |                   |
| D6643    | MA111-X       | SI DIODE    |                   |
| C6501    | QETN1HM-106Z  | E CAPACITOR | 10uF 50V M        |
| C6502    | QETN1HM-106Z  | E CAPACITOR | 10uF 50V M        |
| C6503    | NDC31HJ-101X  | C CAPACITOR | 100pF 50V J       |
| C6504    | NDC31HJ-101X  | C CAPACITOR | 100pF 50V J       |
| C6505    | QETN1HM-475Z  | E CAPACITOR | 4.7uF 50V M       |
| C6506    | QETN1HM-106Z  | E CAPACITOR | 10uF 50V M        |
| C6507    | QETN1HM-106Z  | E CAPACITOR | 10uF 50V M        |
| C6508    | NDC31HJ-101X  | C CAPACITOR | 100pF 50V J       |
| C6509    | NDC31HJ-101X  | C CAPACITOR | 100pF 50V J       |
| C6510    | QETN1HM-475Z  | E CAPACITOR | 4.7uF 50V M       |
| C6511    | QETN1EM-476Z  | E CAPACITOR | 47uF 25V M        |
| C6512    | QETN1EM-476Z  | E CAPACITOR | 47uF 25V M        |
| C6517    | NDC31HJ-100X  | C CAPACITOR | 10pF 50V J        |
| C6518    | NDC31HJ-100X  | C CAPACITOR | 10pF 50V J        |
| C6519    | NCB31HK-103X  | C CAPACITOR | 0.01uF 50V K      |
| C6521    | QETN1HM-475Z  | E CAPACITOR | 4.7uF 50V M       |
| C6522    | NCB31HK-332X  | C CAPACITOR | 3300pF 50V K      |
| C6523    | NCB31HK-333X  | C CAPACITOR | 0.033uF 50V K     |
| C6525    | NCB31HK-472X  | C CAPACITOR | 4700pF 50V K      |
| C6526    | NCB31HK-104X  | C CAPACITOR | 0.1uF 50V K       |
| C6527    | QETN1HM-475Z  | E CAPACITOR | 4.7uF 50V M       |
| C6528    | QETN1HM-475Z  | E CAPACITOR | 4.7uF 50V M       |
| C6529    | NCB31HK-332X  | C CAPACITOR | 3300pF 50V K      |
| C6530    | NCB31HK-333X  | C CAPACITOR | 0.033uF 50V K     |
| C6532    | NCB31HK-472X  | C CAPACITOR | 4700pF 50V K      |
| C6533    | NCB31HK-104X  | C CAPACITOR | 0.1uF 50V K       |
| C6534    | QETN1HM-475Z  | E CAPACITOR | 4.7uF 50V M       |
| C6535    | QETN1HM-105Z  | E CAPACITOR | 1uF 50V M         |
| C6536    | NCB31HK-104X  | C CAPACITOR | 0.1uF 50V K       |
| C6537    | QETN1HM-475Z  | E CAPACITOR | 4.7uF 50V M       |
| C6538    | QETN1HM-475Z  | E CAPACITOR | 4.7uF 50V M       |
| C6539    | NCB31HK-104X  | C CAPACITOR | 0.1uF 50V K       |

| △Ref No. | Part No.     | Part Name      | Description Local |
|----------|--------------|----------------|-------------------|
| C6540    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       |
| C6541    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       |
| C6542    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       |
| C6543    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        |
| C6544    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         |
| C6545    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C6546    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C6551    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         |
| C6552    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         |
| C6553    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6554    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6555    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6556    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6557    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        |
| C6558    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        |
| C6559    | QETN1CM-107Z | E CAPACITOR    | 100uF 16V M       |
| C6561    | QETN1HM-105Z | E CAPACITOR    | 1uF 50V M         |
| C6562    | QETN1HM-225Z | E CAPACITOR    | 2.2uF 50V M       |
| C6563    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6564    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6565    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6566    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6567    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         |
| C6568    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         |
| C6569    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         |
| C6570    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         |
| C6571    | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M         |
| C6572    | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M         |
| C6573    | NCB31HK-473X | C CAPACITOR    | 0.047uF 50V K     |
| C6574    | NCB31HJ-103X | C CAPACITOR    | 0.01uF 50V J      |
| C6575    | QETN1HM-226Z | E CAPACITOR    | 22uF 50V M        |
| C6576    | QETN1HM-226Z | E CAPACITOR    | 22uF 50V M        |
| C6577    | NCB31HK-473X | C CAPACITOR    | 0.047uF 50V K     |
| C6578    | NCB31HJ-103X | C CAPACITOR    | 0.01uF 50V J      |
| C6581    | NCB21EK-124X | C CAPACITOR    | 0.12uF 25V K      |
| C6582    | NCB21EK-124X | C CAPACITOR    | 0.12uF 25V K      |
| C6583    | NCB21EK-124X | C CAPACITOR    | 0.12uF 25V K      |
| C6584    | NCB21EK-124X | C CAPACITOR    | 0.12uF 25V K      |
| C6585    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        |
| C6586    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        |
| C6587    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        |
| C6588    | QETN1EM-476Z | E CAPACITOR    | 47uF 25V M        |
| C6601    | NDC31HJ-101X | C CAPACITOR    | 100pF 50V J       |
| C6602    | NDC31HJ-101X | C CAPACITOR    | 100pF 50V J       |
| C6603    | NDC31HJ-101X | C CAPACITOR    | 100pF 50V J       |
| C6604    | NDC31HJ-101X | C CAPACITOR    | 100pF 50V J       |
| C6621    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         |
| C6622    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         |
| C6623    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         |
| C6624    | NCB11EK-105X | C CAPACITOR    | 1uF 25V K         |
| C6625    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        |
| C6626    | QETN1EM-107Z | E CAPACITOR    | 100uF 25V M       |
| C6627    | QETM1EM-228  | E CAPACITOR    | 2200uF 25V M      |
| C6628    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C6629    | QFV21HJ-124Z | MF CAPACITOR   | 0.12uF 50V J      |
| C6630    | QFV21HJ-124Z | MF CAPACITOR   | 0.12uF 50V J      |
| C6631    | QFV21HJ-124Z | MF CAPACITOR   | 0.12uF 50V J      |
| C6632    | QFV21HJ-124Z | MF CAPACITOR   | 0.12uF 50V J      |
| C6633    | QFV21HJ-124Z | MF CAPACITOR   | 0.12uF 50V J      |
| C6634    | QFV21HJ-124Z | MF CAPACITOR   | 0.12uF 50V J      |
| C6635    | QFV21HJ-124Z | MF CAPACITOR   | 0.12uF 50V J      |
| C6636    | QFV21HJ-124Z | MF CAPACITOR   | 0.12uF 50V J      |
| C6642    | QETN1AM-227Z | E CAPACITOR    | 220uF 10V M       |
| C6643    | QETN1HM-475Z | E CAPACITOR    | 4.7uF 50V M       |
| C6651    | QETN1HM-106Z | E CAPACITOR    | 10uF 50V M        |
| C6681    | QETM1CM-478  | E CAPACITOR    | 4700uF 16V M      |
| C6682    | QETM1CM-478  | E CAPACITOR    | 4700uF 16V M      |
| C6683    | QETM1CM-478  | E CAPACITOR    | 4700uF 16V M      |
| C6684    | QETM1CM-478  | E CAPACITOR    | 4700uF 16V M      |
| R6421    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6501    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| R6502    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| R6503    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R6504    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R6505    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6506    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6507    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| R6508    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| R6509    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R6510    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R6511    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6512    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6513    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6514    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6515    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6519    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |

| △Ref No. | Part No.     | Part Name      | Description Local |
|----------|--------------|----------------|-------------------|
| R6521    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6522    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6523    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6524    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6525    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6526    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6527    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6528    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6529    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6530    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6531    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6532    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6533    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6534    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6535    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6536    | NRSA63J-101X | MG RESISTOR    | 100Ω 1/16W J      |
| R6537    | NRSA63J-101X | MG RESISTOR    | 100Ω 1/16W J      |
| R6538    | NRSA63J-101X | MG RESISTOR    | 100Ω 1/16W J      |
| R6539    | NRSA63J-101X | MG RESISTOR    | 100Ω 1/16W J      |
| R6540    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6541    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6542    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6543    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6544    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| R6545    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| R6546    | NRSA63J-561X | MG RESISTOR    | 560Ω 1/16W J      |
| R6547    | NRSA63J-561X | MG RESISTOR    | 560Ω 1/16W J      |
| R6551    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R6552    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6553    | NRSA63J-104X | MG RESISTOR    | 100kΩ 1/16W J     |
| R6554    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R6555    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6556    | NRSA63J-104X | MG RESISTOR    | 100kΩ 1/16W J     |
| R6557    | NRSA63J-392X | MG RESISTOR    | 3.9kΩ 1/16W J     |
| R6558    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6559    | NRSA63J-392X | MG RESISTOR    | 3.9kΩ 1/16W J     |
| R6560    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6561    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6562    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6563    | NRSA63J-224X | MG RESISTOR    | 220kΩ 1/16W J     |
| R6564    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6565    | NRSA63J-562X | MG RESISTOR    | 5.6kΩ 1/16W J     |
| R6566    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6567    | NRSA63J-124X | MG RESISTOR    | 120kΩ 1/16W J     |
| R6568    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6569    | NRSA63J-823X | MG RESISTOR    | 82kΩ 1/16W J      |
| R6571    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6572    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6573    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6574    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6575    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6576    | NRSA63J-273X | MG RESISTOR    | 27kΩ 1/16W J      |
| R6577    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6578    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6579    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6580    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6581    | NRSA63J-223X | MG RESISTOR    | 22kΩ 1/16W J      |
| R6582    | NRSA63J-223X | MG RESISTOR    | 22kΩ 1/16W J      |
| R6583    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6584    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6585    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6586    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6587    | NRSA63J-183X | MG RESISTOR    | 18kΩ 1/16W J      |
| R6588    | NRSA63J-822X | MG RESISTOR    | 8.2kΩ 1/16W J     |
| R6591    | NRSA63J-562X | MG RESISTOR    | 5.6kΩ 1/16W J     |
| R6595    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6596    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| R6601    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6602    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6603    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6604    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6605    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6606    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6607    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6608    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6609    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6610    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6611    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6612    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6613    | NRSA63J-272X | MG RESISTOR    | 2.7kΩ 1/16W J     |
| R6614    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6615    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6616    | NRSA63J-333X | MG RESISTOR    | 33kΩ 1/16W J      |
| R6617    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| △R6621   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6622   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6623   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |

| △Ref No. | Part No.     | Part Name      | Description Local |
|----------|--------------|----------------|-------------------|
| △R6624   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6625   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6626   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6627   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| △R6628   | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J       |
| R6643    | NRSA63J-104X | MG RESISTOR    | 100kΩ 1/16W J     |
| R6645    | NRSA63J-153X | MG RESISTOR    | 15kΩ 1/16W J      |
| R6646    | NRSA63J-563X | MG RESISTOR    | 56kΩ 1/16W J      |
| R6647    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6648    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6649    | NRSA63J-332X | MG RESISTOR    | 3.3kΩ 1/16W J     |
| R6653    | NRSA63J-222X | MG RESISTOR    | 2.2kΩ 1/16W J     |
| R6654    | NRSA63J-103X | MG RESISTOR    | 10kΩ 1/16W J      |
| R6661    | NRSA63J-101X | MG RESISTOR    | 100Ω 1/16W J      |
| R6671    | NRSA63J-101X | MG RESISTOR    | 100Ω 1/16W J      |
| R6673    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| △R6681   | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J        |
| △R6682   | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J        |
| △R6683   | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J        |
| △R6684   | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J        |
| R6689    | QRL039J-221  | OMF RESISTOR   | 220Ω 3W J         |
| R6690    | QRL039J-221  | OMF RESISTOR   | 220Ω 3W J         |

### TEMP. SENSOR P.W. BOARD ASS'Y (SSB-8381A-M2)

REFER TO PARTS LIST IN PAGE 3-19 FOR THIS P.W. BOARD.

### DISPLAY LED P.W. BOARD ASS'Y (SSB0L285A-M2)

REFER TO PARTS LIST IN PAGE 3-19 FOR THIS P.W. BOARD.

### DISPLAY SWITCH P.W. BOARD ASS'Y (SSB0L385-M2)

REFER TO PARTS LIST IN PAGE 3-19 FOR THIS P.W. BOARD.

### LINE FILTER P.W. BOARD ASS'Y (SFP-9508A-M2)

| △Ref No. | Part No.       | Part Name     | Description Local |
|----------|----------------|---------------|-------------------|
| △C9901   | QFZ9075-225    | MPP CAPACITOR | 2.2uF AC275V M    |
| △C9904   | QFZ9075-224    | MPP CAPACITOR | 0.22uF AC275V M   |
| △C9912   | QCZ9079-102    | C CAPACITOR   | 1000pF AC250V M   |
| △C9913   | QCZ9079-102    | C CAPACITOR   | 1000pF AC250V M   |
| △C9916   | QRZ9046-105Z   | C RESISTOR    | 1MΩ 1/2W K        |
| △R9902   | QRZ9046-105Z   | C RESISTOR    | 1MΩ 1/2W K        |
| △F9901   | QMFZ041-100-J1 | FUSE          | 10A 250V          |
| △J9901   | QMCB006-C01    | AC INLET      |                   |
| △LF9901  | QQR1281-002    | LINE FILTER   |                   |
| △LF9902  | QQR1281-002    | LINE FILTER   |                   |
| △LF9903  | QQR1376-001    | LINE FILTER   |                   |
| △LF9904  | QQR1376-001    | LINE FILTER   |                   |
| △VA9901  | ERZV10V621CS   | ZNR           |                   |
|          | LC32345-001B   | AC INLET BKT  |                   |

### SUB POWER P.W. BOARD ASS'Y (SFP-9505A-M2)

REFER TO PARTS LIST IN PAGE 3-22 FOR THIS P.W. BOARD.

# RECEIVER UNIT

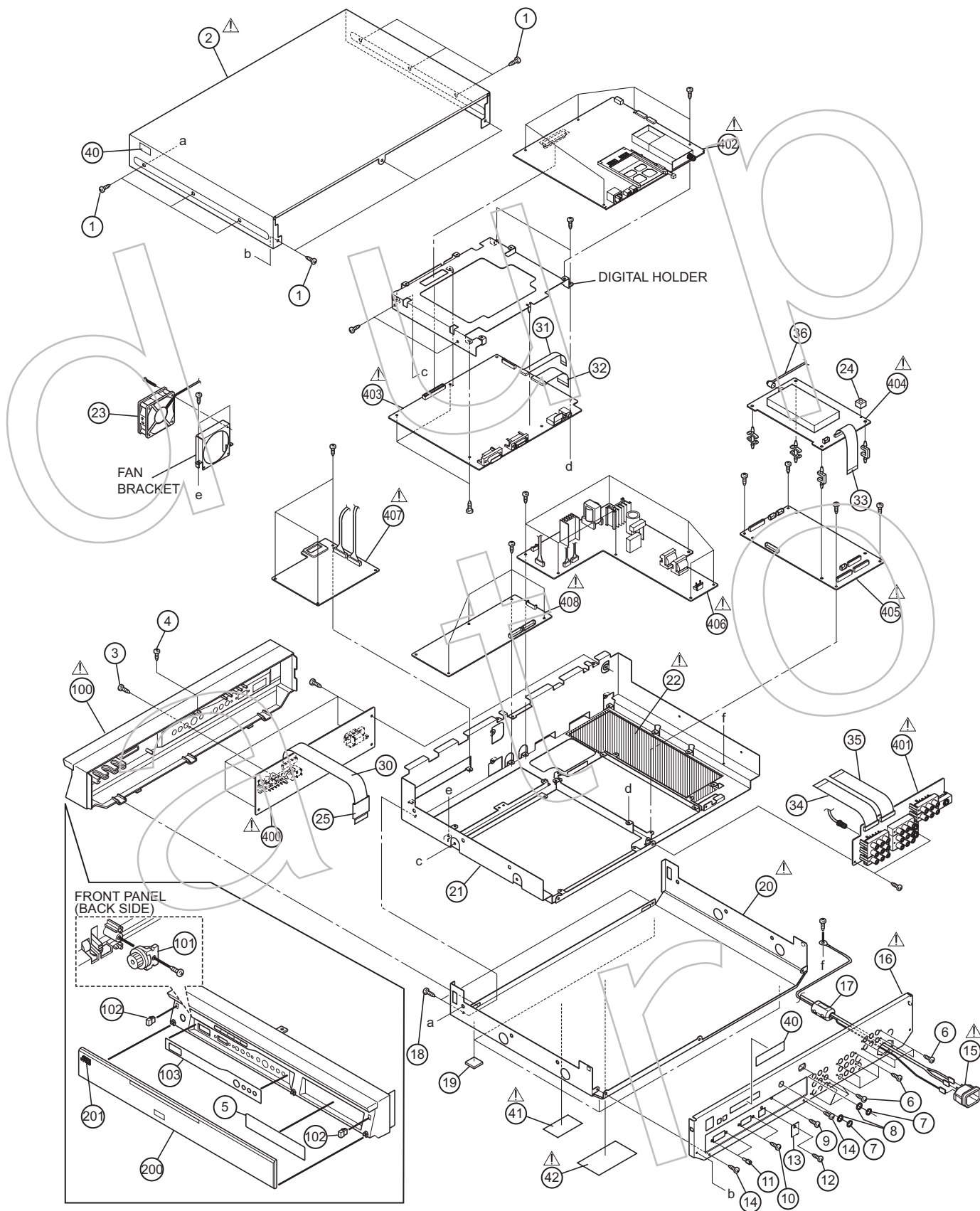
## USING P.W. BOARD

| P.W.B ASS'Y name     | TU-42X795/S  | TU-50X795/Z  |
|----------------------|--------------|--------------|
| DIGITAL SIGNAL P.W.B | SFP0D502A-M2 | SFP0D501A-M2 |
| FRONT CONTROL P.W.B  | SFP-8501A-M2 | ←            |
| AV JACK P.W.B        | SFP0J501A-M2 | ←            |
| RECEIVER P.W.B       | SFP0F501A-M2 | ←            |
| SYSTEM POWER P.W.B   | SFP-9511A-M2 | ←            |
| REGULATOR P.W.B      | SFP-9507A-M2 | ←            |
| ANALOG SIGNAL P.W.B  | SFP0A501A-M2 | ←            |
| SD CARD P.W.B        | SFP-8505A-M2 | ←            |
| ATSC TUNER MODULE    | SSD-2101A-M2 | ←            |

## EXPLODED VIEW PARTS LIST - 7

| △ Ref.No. | Part No.        | Part Name          | Description     | Local     |
|-----------|-----------------|--------------------|-----------------|-----------|
| 1         | QYSDSG3008NA    | TAP SCREW          | M3 x 8mm(x9)    |           |
| △ 2       | LC11748-001B-0K | TOP COVER          |                 |           |
| 3         | QYSBSF3010NA    | TAP SCREW          | M3 x 10mm       |           |
| 4         | QYSDSG3008NA    | TAP SCREW          | M3 x 8mm        |           |
| 5         | LC42054-001A    | PLATE              |                 |           |
| 6         | QYSBSF3010M     | TAP SCREW          | M3 x 10mm(x12)  |           |
| 7         | WM40532-001     | NUT                | (x2)            |           |
| 8         | CM46798-001     | WASHER             | (x2)            |           |
| 9         | QYSDSP3006NA    | SCREW              | M3 x 6mm        |           |
| 10        | QYSPSPL2608NA   | SCREW              | M2.6 x 8mm(x2)  |           |
| 11        | QNB0036-001     | HEX SCREW          | (x2)            |           |
| 12        | QYSBSG3006NA    | TAP SCREW          | M3 x 6mm        |           |
| 13        | LC41897-001A    | SERVICE COVER      |                 |           |
| 14        | QYSDSG3008NA    | TAP SCREW          | M3 x 8mm(x2)    |           |
| △ 15      | QMCB004-001     | AC INLET           |                 |           |
| △ 16      | LC21578-001C-0K | BACK COVER         |                 |           |
| 17        | QQR0491-001     | FERRITE CORE       | (GRAY)          |           |
| 18        | QYSDSG3008NA    | TAP SCREW          | M3 x 8mm(x2)    |           |
| 19        | LC41284-002A    | FOOT               | (x4)            |           |
| 20        | LC11747-001B    | BOTTOM CASE        |                 |           |
| 21        | LC11746-001B    | CHASSIS BASE       |                 |           |
| △ 22      | LC32534-001B    | INSULATOR          |                 |           |
| 23        | QAR0314-001     | COOLING FAN        |                 |           |
| 24        | LC42056-001A    | SHADE SPACER       |                 |           |
| 25        | QQR1623-001     | FERRITE CORE       |                 |           |
| 30        | QUQ105-5013AE   | FFC WIRE           | 50pin 13cm      |           |
| 31        | QUQ105-3004AA   | FFC WIRE           | 30pin 4cm       |           |
| 32        | QUQ105-5004AA   | FFC WIRE           | 50pin 4cm       |           |
| 33        | QUQ105-4004AA   | FFC WIRE           | 40pin 4cm       |           |
| 34        | QUQ105-5007AE   | FFC WIRE           | 50pin 7cm       |           |
| 35        | QUQ105-5007AE   | FFC WIRE           | 50pin 7cm       |           |
| 36        | QAM0493-001     | F CABLE            |                 |           |
| 40        | LC42105-001A    | CABLE CARD LABEL   |                 |           |
| 41        | LC42102-003A-A  | FCC LABEL          |                 | PD-42X795 |
| 41        | LC42102-004A-A  | FCC LABEL          |                 | PD-50X795 |
| △ 42      | LC32732-001A-A  | RATING LABEL       |                 |           |
| △ 100     | LC11719-002A    | FRONT PANEL ASS'Y  | Inc.101,102,103 | PD-42X795 |
| △ 100     | LC11719-002A-0K | FRONT PANEL ASS'Y  | Inc.101,102,103 | PD-50X795 |
| 101       | QYSDSF3010ZA    | TAP SCREW          | M3 x 10mm       |           |
| 102       | QZW0063-001     | MAGNET LATCH       | (x2)            |           |
| 103       | LC32512-002A    | CONTROL PLATE      |                 |           |
| 200       | LC21443-003B-0K | DOOR ASS'Y         | Inc.201         |           |
| 201       | PQ45130-6       | JVC MARK           |                 |           |
| △ 400     | SFP-8501A-M2    | FRONT CONTROL PWB  |                 |           |
| △ 401     | SFP0J501A-M2    | AV JACK PWB        |                 |           |
| △ 402     | SSD-2101A-M2    | ATSC TUNER MODULE  |                 |           |
| △ 403     | SFP0D502A-M2    | DIGITAL SIGNAL PWB |                 | PD-42X795 |
| △ 403     | SFP0D501A-M2    | DIGITAL SIGNAL PWB |                 | PD-50X795 |
| △ 404     | SFP0F501A-M2    | RECEIVER PWB       |                 |           |
| △ 405     | SFP0A501A-M2    | ANALOG SIGNAL PWB  |                 |           |
| △ 406     | SFP-9511A-M2    | SYSTEM POWER PWB   |                 |           |
| △ 407     | SFP-8505A-M2    | SD CARD PWB        |                 |           |
| △ 408     | SFP-9507A-M2    | REGULATOR PWB      |                 |           |

## EXPLODED VIEW - 7





# PRINTED WIRING BOARD PARTS LIST [TU-42X795/S]

## DIGITAL SIGNAL P.W. BOARD ASS'Y (SFP0D502A-M2)

| △Ref No. | Part No.        | Part Name       | Description Local   |
|----------|-----------------|-----------------|---------------------|
| IC0401   | SN74AHCT1G32V-X | IC              | 100pin              |
| IC1001   | TC90A92AFG      | IC              |                     |
| IC1002   | MM1572FN-X      | IC              |                     |
| IC1502   | NJM2235V-X      | IC              |                     |
| IC3001   | JCC5055         | IC              | 438pin              |
| IC3004   | TC7MB3257FK-X   | IC              |                     |
| IC3005   | SN74LVC1G08V-X  | IC              |                     |
| IC3006   | SN74LVC2G126T-X | IC              |                     |
| IC3403   | S-80928CLNB-W   | IC              | 100pin              |
| IC3501   | HY5DU283222AQ-5 | IC              |                     |
| IC3502   | HY5DU283222AQ-5 | IC              | 100pin              |
| IC3503   | LP2996MR-X      | IC              |                     |
| IC4001   | JCC5057         | IC              | 208pin<br>(SERVICE) |
| IC4003   | AT29LV01-42X795 | IC              |                     |
| IC4004   | ATE256-42X7952  | IC              | 100pin<br>(SERVICE) |
| IC4005   | SN74LVC1G08V-X  | IC              |                     |
| IC6003   | MAX3221CDB-X    | IC              | 100pin<br>(SERVICE) |
| IC6101   | SII170BCL64     | IC              |                     |
| IC6103   | IC-PST575M/J-X  | IC              | 100pin<br>(SERVICE) |
| IC7001   | MN102H60KPD     | IC(MCU)         |                     |
| IC7002   | ATE256-42X7951  | IC              | 100pin<br>(SERVICE) |
| IC7401   | S-80828CLNB-W   | IC              |                     |
| IC7601   | M306V7FG-089FP  | IC(MCU)         | 100pin<br>(SERVICE) |
| IC7602   | ATE32-42X795    | IC              |                     |
| IC7603   | SN74LVC1G04V-X  | IC              | 100pin<br>(SERVICE) |
| IC7607   | MM15101XN-X     | IC              |                     |
| IC7608   | MM15101XN-X     | IC              | 100pin<br>(SERVICE) |
| IC7609   | SN74AHCT1G08V-X | IC              |                     |
| IC9001   | MP1580HS-X      | IC              | 100pin<br>(SERVICE) |
| IC9201   | MP1580HS-X      | IC              |                     |
| Q0101    | 2SC3837K/NP/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0102    | 2SA1022/BC/-X   | TRANSISTOR      |                     |
| Q0104    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0107    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q0108    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0109    | HN1C01F/Y/-X    | PAIR TRANSISTOR |                     |
| Q0110    | HN1C01F/Y/-X    | PAIR TRANSISTOR | 100pin<br>(SERVICE) |
| Q0201    | 2SC3837K/NP/-X  | TRANSISTOR      |                     |
| Q0202    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0203    | 2SC3928A/QR/-X  | TRANSISTOR      |                     |
| Q0204    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0207    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q0208    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0209    | HN1C01F/Y/-X    | PAIR TRANSISTOR |                     |
| Q0210    | HN1C01F/Y/-X    | PAIR TRANSISTOR | 100pin<br>(SERVICE) |
| Q0301    | 2SC3837K/NP/-X  | TRANSISTOR      |                     |
| Q0302    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0303    | 2SC3928A/QR/-X  | TRANSISTOR      |                     |
| Q0304    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0307    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q0308    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q0309    | HN1C01F/Y/-X    | PAIR TRANSISTOR |                     |
| Q0310    | HN1C01F/Y/-X    | PAIR TRANSISTOR | 100pin<br>(SERVICE) |
| Q1001    | UN2213-X        | DIGI TRANSISTOR |                     |
| Q1003    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q1004    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q1101    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q1103    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q1201    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q1203    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q1301    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q1303    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q1401    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q1403    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q3001    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q3002    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q3003    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q3004    | 2SA1530A/QR/-X  | TRANSISTOR      |                     |
| Q6001    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin<br>(SERVICE) |
| Q6101    | 2SK1374-X       | MOS FET         |                     |
| Q6102    | 2SK1374-X       | MOS FET         | 100pin<br>(SERVICE) |
| Q7206    | UN2213-X        | DIGI TRANSISTOR |                     |
| Q7207    | DTA144EKA-X     | DIGI TRANSISTOR | 100pin<br>(SERVICE) |
| D1001    | EC30HA03L-X     | SB DIODE        |                     |
| D1002    | EC30HA03L-X     | SB DIODE        | 100pin<br>(SERVICE) |
| D2101    | MA111-X         | SI DIODE        |                     |
| D6001    | 1SS355-X        | SI DIODE        | 100pin<br>(SERVICE) |
| D6002    | 1SS355-X        | SI DIODE        |                     |
| D6003    | 1SS355-X        | SI DIODE        | 100pin<br>(SERVICE) |
| D6004    | MA111-X         | SI DIODE        |                     |

| △Ref No. | Part No.     | Part Name   | Description Local   |
|----------|--------------|-------------|---------------------|
| D6103    | BAV99L-X     | SI DIODE    | 100pin<br>(SERVICE) |
| D6104    | BAV99L-X     | SI DIODE    |                     |
| D6105    | BAV99L-X     | SI DIODE    | 100pin<br>(SERVICE) |
| D6106    | BAV99L-X     | SI DIODE    |                     |
| D6107    | BAV99L-X     | SI DIODE    | 100pin<br>(SERVICE) |
| D6108    | BAV99L-X     | SI DIODE    |                     |
| D6109    | BAV99L-X     | SI DIODE    | 100pin<br>(SERVICE) |
| D6110    | BAV99L-X     | SI DIODE    |                     |
| D6111    | BAV99L-X     | SI DIODE    | 100pin<br>(SERVICE) |
| D7001    | MA111-X      | SI DIODE    |                     |
| D7002    | MA8051/M/-X  | Z DIODE     | 100pin<br>(SERVICE) |
| D7003    | MA111-X      | SI DIODE    |                     |
| D7005    | MA8082/M/-X  | Z DIODE     | 100pin<br>(SERVICE) |
| D7006    | MA8082/M/-X  | Z DIODE     |                     |
| D7007    | MA8082/M/-X  | Z DIODE     | 100pin<br>(SERVICE) |
| D7008    | MA8082/M/-X  | Z DIODE     |                     |
| D7009    | MA8082/M/-X  | Z DIODE     | 100pin<br>(SERVICE) |
| D7203    | MA111-X      | SI DIODE    |                     |
| D7204    | MA111-X      | SI DIODE    | 100pin<br>(SERVICE) |
| D7210    | RB501V-40-X  | SB DIODE    |                     |
| D9001    | EC30HA03L-X  | SB DIODE    | 100pin<br>(SERVICE) |
| D9003    | PTZ3.9B-X    | Z DIODE     |                     |
| D9201    | EC30HA03L-X  | SB DIODE    | 100pin<br>(SERVICE) |
| D9203    | PTZ3.9B-X    | Z DIODE     |                     |
| D9204    | MA111-X      | SI DIODE    | 100pin<br>(SERVICE) |
| C0103    | NDC31HJ-330X | C CAPACITOR |                     |
| C0105    | NDC31HJ-270X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0107    | NCF31CZ-104X | C CAPACITOR |                     |
| C0109    | NCB11AK-106X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0110    | NCB11AK-106X | C CAPACITOR |                     |
| C0111    | NDC31HJ-820X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0112    | NDC31HJ-820X | C CAPACITOR |                     |
| C0113    | NCB11AK-106X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0114    | NCF31CZ-104X | C CAPACITOR |                     |
| C0115    | NCF31CZ-104X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0116    | NCB11AK-106X | C CAPACITOR |                     |
| C0117    | NDC31HJ-560X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0203    | NDC31HJ-330X | C CAPACITOR |                     |
| C0205    | NDC31HJ-270X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0207    | NCF31CZ-104X | C CAPACITOR |                     |
| C0209    | NCB11AK-106X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0210    | NCB11AK-106X | C CAPACITOR |                     |
| C0211    | NDC31HJ-820X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0212    | NDC31HJ-820X | C CAPACITOR |                     |
| C0213    | NCB11AK-106X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0214    | NCF31CZ-104X | C CAPACITOR |                     |
| C0215    | NCF31CZ-104X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0217    | NDC31HJ-560X | C CAPACITOR |                     |
| C0303    | NDC31HJ-330X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0305    | NDC31HJ-270X | C CAPACITOR |                     |
| C0307    | NCF31CZ-104X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0309    | NCB11AK-106X | C CAPACITOR |                     |
| C0310    | NCB11AK-106X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0311    | NDC31HJ-820X | C CAPACITOR |                     |
| C0312    | NDC31HJ-820X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0313    | NCB11AK-106X | C CAPACITOR |                     |
| C0314    | NCF31CZ-104X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0315    | NCF31CZ-104X | C CAPACITOR |                     |
| C0317    | NDC31HJ-560X | C CAPACITOR | 100pin<br>(SERVICE) |
| C0401    | NCB31CK-104X | C CAPACITOR |                     |
| C0519    | NDC31HJ-560X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1001    | NCB31HK-103X | C CAPACITOR |                     |
| C1003    | NCB31HK-103X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1004    | NCB31HK-103X | C CAPACITOR |                     |
| C1005    | NCB31HK-152X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1006    | NCB31HK-103X | C CAPACITOR |                     |
| C1008    | NCB31HK-103X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1009    | NDC31HJ-220X | C CAPACITOR |                     |
| C1010    | NDC31HJ-180X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1011    | NDC31HJ-102X | C CAPACITOR |                     |
| C1012    | NCB31HK-103X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1013    | NCB31HK-103X | C CAPACITOR |                     |
| C1014    | NCB31HK-103X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1015    | NCB31HK-103X | C CAPACITOR |                     |
| C1016    | NCB11AK-106X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1017    | NCB31HK-103X | C CAPACITOR |                     |
| C1018    | NCB31HK-103X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1019    | NCB31HK-103X | C CAPACITOR |                     |
| C1021    | NCB31HK-103X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1023    | NCB31HK-103X | C CAPACITOR |                     |
| C1025    | NCB31HK-103X | C CAPACITOR | 100pin<br>(SERVICE) |
| C1026    | NCB31HK-103X | C CAPACITOR |                     |
| C1028    | NCB31HK-103X | C CAPACITOR | 100pin<br>(SERVICE) |

| △Ref No. | Part No.       | Part Name      | Description Local | △Ref No. | Part No.     | Part Name      | Description Local |
|----------|----------------|----------------|-------------------|----------|--------------|----------------|-------------------|
| C1029    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3067    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1030    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3068    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1031    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3069    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1032    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3070    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1033    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3071    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1034    | NDC31HJ-390X   | C CAPACITOR    | 39pF 50V J        | C3072    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1035    | NDC31HJ-680X   | C CAPACITOR    | 68pF 50V J        | C3074    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1037    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3076    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1038    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3097    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1039    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3101    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1040    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3105    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1041    | NCB10JK-106X   | C CAPACITOR    | 10uF 6.3V K       | C3107    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C1042    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3109    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C1043    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3111    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1045    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3406    | NCB31HK-102X | C CAPACITOR    | 1000pF 50V K      |
| C1046    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3501    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1047    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3503    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1048    | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         | C3506    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1049    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3507    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1050    | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         | C3508    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1051    | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         | C3509    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1061    | NDC31HJ-4R0X   | C CAPACITOR    | 4pF 50V J         | C3511    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1062    | NBE40JM-476X   | TA E CAPACITOR | 47uF 6.3V M       | C3515    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1063    | NCB21AK-225X   | C CAPACITOR    | 2.2uF 10V K       | C3516    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1064    | NCB31EK-103X   | C CAPACITOR    | 0.01uF 25V K      | C3517    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1065    | NCB30JK-105X   | C CAPACITOR    | 1uF 6.3V K        | C3518    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1066    | NBE40JM-476X   | TA E CAPACITOR | 47uF 6.3V M       | C3519    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1102    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3524    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1103    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3527    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1104    | NDC31HJ-560X   | C CAPACITOR    | 56pF 50V J        | C3530    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1105    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C3531    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1106    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3532    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1109    | NDC31HJ-151X   | C CAPACITOR    | 150pF 50V J       | C3533    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1202    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3535    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1203    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3539    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1204    | NDC31HJ-560X   | C CAPACITOR    | 56pF 50V J        | C3540    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1205    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C3542    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1206    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3543    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1209    | NDC31HJ-151X   | C CAPACITOR    | 150pF 50V J       | C3548    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1302    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3549    | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M        |
| C1303    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3550    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1304    | NDC31HJ-560X   | C CAPACITOR    | 56pF 50V J        | C3551    | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M        |
| C1305    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C3552    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1306    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C4002    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C1309    | NDC31HJ-151X   | C CAPACITOR    | 150pF 50V J       | C4003    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C1402    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C4005    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1403    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C4006    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1404    | NDC31HJ-560X   | C CAPACITOR    | 56pF 50V J        | C4008    | NCF11CZ-475X | C CAPACITOR    | 4.7uF 16V Z       |
| C1405    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C4009    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1406    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C4010    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1409    | NDC31HJ-151X   | C CAPACITOR    | 150pF 50V J       | C4011    | NCF11CZ-475X | C CAPACITOR    | 4.7uF 16V Z       |
| C1502    | NCJ41EK-106X-U | C CAPACITOR    | 10mF 25V K        | C4012    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1508    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C4013    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1509    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C4016    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1511    | NRSA63J-105X   | MG RESISTOR    | 1MΩ 1/16W J       | C4020    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C2101    | NCB21HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C4022    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C3004    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C4023    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C3006    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C4029    | NDC31HJ-470X | C CAPACITOR    | 47pF 50V J        |
| C3008    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C4030    | NDC31HJ-470X | C CAPACITOR    | 47pF 50V J        |
| C3010    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6013    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3016    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6014    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3018    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6015    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3019    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6017    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3021    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6018    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3022    | NBZ0007-107X   | SP E CAPACITOR | 100uF 4V M        | C6019    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3023    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6020    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3028    | NDC31HJ-221X   | C CAPACITOR    | 220pF 50V J       | C6021    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3030    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6102    | NCB11AK-106X | C CAPACITOR    | 10uF 10V K        |
| C3031    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6105    | NCF41CZ-106X | C CAPACITOR    | 10uF 16V Z        |
| C3032    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6106    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3037    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6107    | NDC31HJ-102X | C CAPACITOR    | 1000pF 50V J      |
| C3040    | NCB31CK-104X   | C CAPACITOR    | 0.1uF 16V K       | C6108    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3041    | NDC31HJ-101X   | C CAPACITOR    | 100pF 50V J       | C6109    | NDC31HJ-102X | C CAPACITOR    | 1000pF 50V J      |
| C3042    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6111    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3043    | NDC31HJ-101X   | C CAPACITOR    | 100pF 50V J       | C6112    | NCF41CZ-106X | C CAPACITOR    | 10uF 16V Z        |
| C3044    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6113    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3045    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6114    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3047    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6115    | NDC31HJ-102X | C CAPACITOR    | 1000pF 50V J      |
| C3049    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6116    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3051    | NCB31HK-472X   | C CAPACITOR    | 4700pF 50V K      | C6117    | NCF41CZ-106X | C CAPACITOR    | 10uF 16V Z        |
| C3052    | NCB31AK-334X   | C CAPACITOR    | 0.33uF 10V K      | C6119    | NCF41CZ-106X | C CAPACITOR    | 10uF 16V Z        |
| C3056    | NCB31AK-334X   | C CAPACITOR    | 0.33uF 10V K      | C6120    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3059    | NCB31HK-223X   | C CAPACITOR    | 0.022uF 50V K     | C6122    | NDC31HJ-102X | C CAPACITOR    | 1000pF 50V J      |
| C3060    | NCB31HK-152X   | C CAPACITOR    | 1500pF 50V K      | C6128    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3063    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6129    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3065    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C7001    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C3066    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C7002    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |

| △Ref No. | Part No.       | Part Name   | Description Local | △Ref No. | Part No.     | Part Name   | Description Local |
|----------|----------------|-------------|-------------------|----------|--------------|-------------|-------------------|
| C7003    | NCF11CZ-475X   | C CAPACITOR | 4.7uF 16V Z       | R0238    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7006    | NDC31HJ-150X   | C CAPACITOR | 15pF 50V J        | R0240    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| C7007    | NCB31AK-105X   | C CAPACITOR | 1uF 10V K         | R0241    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7010    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0305    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7011    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0306    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| C7012    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0307    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| C7017    | NDC31HJ-391X   | C CAPACITOR | 390pF 50V J       | R0308    | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J      |
| C7018    | NCB31AK-105X   | C CAPACITOR | 1uF 10V K         | R0309    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| C7025    | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       | R0310    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7203    | NCB31CK-473X   | C CAPACITOR | 0.047uF 16V K     | R0311    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7401    | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       | R0316    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7402    | NCB31AK-105X   | C CAPACITOR | 1uF 10V K         | R0319    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7601    | NDC31HJ-102X   | C CAPACITOR | 1000pF 50V J      | R0321    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7602    | NDC31HJ-221X   | C CAPACITOR | 220pF 50V J       | R0322    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| C7603    | NCB21AK-225X   | C CAPACITOR | 2.2uF 10V K       | R0325    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| C7607    | NCB31HK-102X   | C CAPACITOR | 1000pF 50V K      | R0326    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7608    | NCB31HK-221X   | C CAPACITOR | 220pF 50V K       | R0327    | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J      |
| C7609    | NCB21AK-225X   | C CAPACITOR | 2.2uF 10V K       | R0328    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| C7610    | NCB31HK-681X   | C CAPACITOR | 680pF 50V K       | R0329    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| C7611    | NCB31HK-681X   | C CAPACITOR | 680pF 50V K       | R0331    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7612    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R0332    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7613    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R0333    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7614    | NCB31HK-104X   | C CAPACITOR | 0.1uF 50V K       | R0334    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7615    | NCB31HK-104X   | C CAPACITOR | 0.1uF 50V K       | R0337    | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J      |
| C7616    | NCB11CK-105X   | C CAPACITOR | 1uF 16V K         | R0338    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7617    | NCB31HK-104X   | C CAPACITOR | 0.1uF 50V K       | R0340    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| C7618    | NCB11AK-106X   | C CAPACITOR | 10uF 16V K        | R0341    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7619    | NCF11CZ-475X   | C CAPACITOR | 4.7uF 16V Z       | R0501    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7621    | NCB11AK-106X   | C CAPACITOR | 10uF 16V K        | R0502    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7622    | NCF11CZ-475X   | C CAPACITOR | 4.7uF 16V Z       | R0504    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9002    | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K        | R0506    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9004    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0507    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9005    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0508    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9007    | NCB31HK-222X   | C CAPACITOR | 2200pF 50V K      | R0512    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9008    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0516    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9010    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0517    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9110    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0518    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9202    | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K        | R0519    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9204    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0520    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9205    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0522    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9207    | NCB31HK-222X   | C CAPACITOR | 2200pF 50V K      | R0523    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9209    | NEZ0022-157X   | E CAPACITOR | 150uF 10V M       | R0524    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9211    | NCB31HK-153X   | C CAPACITOR | 0.015uF 50V K     | R0525    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
|          |                |             |                   | R0526    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R0105    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R0527    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R0106    | NRSA63J-471X   | MG RESISTOR | 470Ω 1/16W J      | R1001    | NRSA63J-274X | MG RESISTOR | 270kΩ 1/16W J     |
| R0107    | NRSA63J-471X   | MG RESISTOR | 470Ω 1/16W J      | R1002    | NRSA63D-101X | MG RESISTOR | 100Ω 1/16W D      |
| R0109    | NRSA63J-151X   | MG RESISTOR | 150Ω 1/16W J      | R1003    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R0110    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1004    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R0116    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1005    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R0119    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1006    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0121    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1007    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0122    | NRSA63J-102X   | MG RESISTOR | 1kΩ 1/16W J       | R1010    | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J      |
| R0125    | NRSA63J-222X   | MG RESISTOR | 2.2kΩ 1/16W J     | R1011    | NQL093K-R10X | COIL        | 0.1uH K           |
| R0126    | NRSA63J-103X   | MG RESISTOR | 10kΩ 1/16W J      | R1012    | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J     |
| R0127    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R1013    | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J     |
| R0128    | NRSA63J-102X   | MG RESISTOR | 1kΩ 1/16W J       | R1014    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0129    | NRSA63J-103X   | MG RESISTOR | 10kΩ 1/16W J      | R1017    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0131    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1018    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0132    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1019    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R0133    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R1021    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R0134    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1101    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| R0137    | NRSA63J-151X   | MG RESISTOR | 150Ω 1/16W J      | R1102    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0138    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R1104    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0140    | NRSA63J-182X   | MG RESISTOR | 1.8kΩ 1/16W J     | R1105    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0141    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1106    | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J     |
| R0205    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1107    | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J      |
| R0206    | NRSA63J-471X   | MG RESISTOR | 470Ω 1/16W J      | R1113    | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J       |
| R0207    | NRSA63J-471X   | MG RESISTOR | 470Ω 1/16W J      | R1201    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| R0208    | NRSA63J-681X   | MG RESISTOR | 680Ω 1/16W J      | R1203    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0209    | NRSA63J-221X   | MG RESISTOR | 220Ω 1/16W J      | R1204    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0210    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1205    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0211    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1206    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R0216    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1207    | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J      |
| R0219    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1213    | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J       |
| R0221    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1301    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| R0222    | NRSA63J-102X   | MG RESISTOR | 1kΩ 1/16W J       | R1303    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0225    | NRSA63J-222X   | MG RESISTOR | 2.2kΩ 1/16W J     | R1304    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0226    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1305    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0227    | NRSA63J-181X   | MG RESISTOR | 180Ω 1/16W J      | R1306    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R0228    | NRSA63J-102X   | MG RESISTOR | 1kΩ 1/16W J       | R1307    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0229    | NRSA63J-103X   | MG RESISTOR | 10kΩ 1/16W J      | R1313    | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J       |
| R0231    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1401    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| R0232    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1403    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0233    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R1404    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0234    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1405    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0237    | NRSA63J-271X   | MG RESISTOR | 270Ω 1/16W J      | R1406    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |

| △Ref No. | Part No.     | Part Name   | Description Local | △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|-------------|-------------------|
| R1407    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      | R3126    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1413    | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J       | R3156    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1523    | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       | R3160    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1524    | NRSA63J-474X | MG RESISTOR | 470kΩ 1/16W J     | R3161    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1525    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3162    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1584    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3172    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R2027    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R3179    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R2028    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R3207    | NRS144J-0R0X | MG RESISTOR | 0Ω 1/4W J         |
| R2056    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3502    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2057    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3503    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2101    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3505    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2102    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3507    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2103    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R3509    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2104    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3511    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2105    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3514    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2106    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3516    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2121    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3518    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2122    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3520    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2123    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3522    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2125    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3524    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2128    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3525    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3001    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R3527    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3004    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R3529    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3006    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3531    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3007    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3533    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3008    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3536    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3009    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3538    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3018    | NRSA02J-3R3X | MG RESISTOR | 3.3Ω 1/10W J      | R3540    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3019    | NRSA02J-3R3X | MG RESISTOR | 3.3Ω 1/10W J      | R3542    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3020    | NRSA02J-3R3X | MG RESISTOR | 3.3Ω 1/10W J      | R3544    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3021    | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D       | R4004    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3022    | NRSA63D-332X | MG RESISTOR | 3.3kΩ 1/16W D     | R4005    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3023    | NRSA63D-332X | MG RESISTOR | 3.3kΩ 1/16W D     | R4006    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3024    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R4007    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3028    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R4008    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3029    | NRSA63D-392X | MG RESISTOR | 3.9kΩ 1/16W D     | R4015    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3030    | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D       | R4016    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3031    | NRSA63D-151X | MG RESISTOR | 150Ω 1/16W D      | R4018    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3032    | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J      | R4019    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3033    | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J      | R4023    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3034    | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J      | R4024    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3036    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R4027    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3037    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R4028    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3038    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     | R4035    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3040    | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J      | R4037    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3041    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R4039    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3042    | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J      | R4041    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3043    | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     | R4042    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3044    | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J      | R4044    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3045    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R4046    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3047    | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     | R4051    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3048    | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J      | R4052    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3053    | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J     | R4053    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3054    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4054    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3056    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4056    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3063    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R4057    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R3064    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R4058    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R3065    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R4059    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3066    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R4060    | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J       |
| R3069    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4064    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3070    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4065    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3071    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4105    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3072    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4106    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3089    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6022    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3090    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6025    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3091    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6028    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3092    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6031    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3093    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6034    | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| R3094    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6035    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R3095    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6036    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3096    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6038    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3097    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6039    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3098    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6041    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3099    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6042    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3100    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6044    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3101    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6045    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3102    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6046    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3103    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6047    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3104    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6048    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     |
| R3105    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6049    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3106    | NRS144J-0R0X | MG RESISTOR | 0Ω 1/4W J         | R6050    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3107    | NRS144J-0R0X | MG RESISTOR | 0Ω 1/4W J         | R6051    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3114    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R6052    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3116    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R6102    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3118    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R6103    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3120    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6104    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3122    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6105    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |

| △Ref No. | Part No.     | Part Name   | Description Local | △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|-------------|-------------------|
| R6106    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7094    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6108    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7095    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6109    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7096    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6110    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7097    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6111    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R7098    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R6112    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R7099    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6114    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     | R7100    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R6115    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7101    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R6116    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7106    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R6117    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7107    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6118    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7108    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6119    | NRSA63J-511X | MG RESISTOR | 510Ω 1/16W J      | R7109    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6120    | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J        | R7110    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6124    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      | R7111    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6125    | NRSA63J-474X | MG RESISTOR | 470kΩ 1/16W J     | R7112    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6126    | NDC31HJ-220X | C CAPACITOR | 22pF 50V J        | R7114    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R6127    | NDC31HJ-220X | C CAPACITOR | 22pF 50V J        | R7115    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6128    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R7117    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6129    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R7118    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6130    | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      | R7119    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6131    | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J      | R7120    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6132    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7122    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R6133    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7123    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6134    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7124    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R7001    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7132    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R7002    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7133    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7004    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7134    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R7005    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7135    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R7006    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7136    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7010    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7137    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7011    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7140    | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R7014    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7141    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7015    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7142    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7016    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7143    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7017    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7144    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7018    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7145    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7021    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7146    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7022    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7148    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R7023    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7149    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7024    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7150    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7025    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7153    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R7026    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7159    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7029    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7160    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7030    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7214    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7031    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7215    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     |
| R7032    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7216    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7033    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7401    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7034    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7404    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7035    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7601    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R7037    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7602    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7038    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7603    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7039    | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      | R7604    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7040    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     | R7605    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7041    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7606    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7042    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7607    | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K      |
| R7043    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7608    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R7046    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7609    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R7047    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7610    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7048    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7611    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7049    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7612    | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K      |
| R7057    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7613    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R7058    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      | R7614    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R7059    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      | R7615    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7060    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      | R7656    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7063    | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J     | R7657    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7064    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7658    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R7065    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7659    | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| R7066    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7660    | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J       |
| R7067    | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J      | R7661    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R7068    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7664    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R7069    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7666    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7070    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7680    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7071    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7681    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7072    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7685    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R7077    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7686    | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J       |
| R7080    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7688    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7081    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7689    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7082    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7690    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7085    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7691    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R7086    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9001    | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R7087    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9002    | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J        |
| R7088    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9003    | NRSA63D-203X | MG RESISTOR | 20kΩ 1/16W D      |
| R7089    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9004    | NRSA63D-154X | MG RESISTOR | 150kΩ 1/16W D     |
| R7090    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9005    | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D      |
| R7091    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      | R9006    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7092    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      | R9008    | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J       |
| R7093    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9111    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |

| △Ref No. | Part No.     | Part Name    | Description Local | △Ref No. | Part No.     | Part Name      | Description Local |
|----------|--------------|--------------|-------------------|----------|--------------|----------------|-------------------|
| R9201    | NRSA63J-473X | MG RESISTOR  | 47kΩ 1/16W J      | L3005    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9202    | NRSA02J-0R0X | MG RESISTOR  | 0Ω 1/10W J        | L3006    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9204    | NRSA63D-272X | MG RESISTOR  | 2.7kΩ 1/16W D     | L3007    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9205    | NRSA63D-103X | MG RESISTOR  | 10kΩ 1/16W D      | L3008    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9206    | NRSA63J-472X | MG RESISTOR  | 4.7kΩ 1/16W J     | L3009    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9207    | NRSA02J-0R0X | MG RESISTOR  | 0Ω 1/10W J        | L3010    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9208    | NRSA63J-474X | MG RESISTOR  | 470kΩ 1/16W J     | L3011    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9209    | NRSA63J-680X | MG RESISTOR  | 68Ω 1/16W J       | L3012    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA1001   | NRZ0034-103W | NET RESISTOR | 10kΩ 1/32W J x4   | L3501    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA1002   | NRZ0034-103W | NET RESISTOR | 10kΩ 1/32W J x4   | L4001    | NQR0413-003X | FERRITE BEADS  |                   |
| RA1003   | NRZ0034-103W | NET RESISTOR | 10kΩ 1/32W J x4   | L4002    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA2012   | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J        | L4003    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA2013   | NRZ0080-0R0X | NET RESISTOR | 0Ω 1/16W J        | L6101    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3002   | NRZ0034-103W | NET RESISTOR | 10kΩ 1/32W J x4   | L7001    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3004   | NRZ0034-103W | NET RESISTOR | 10kΩ 1/32W J x4   | L7002    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3013   | NRZ0034-220W | NET RESISTOR | 22Ω 1/32W J x4    | L7003    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3014   | NRZ0034-220W | NET RESISTOR | 22Ω 1/32W J x4    | L7004    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3015   | NRZ0034-220W | NET RESISTOR | 22Ω 1/32W J x4    | L7005    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3016   | NRZ0034-220W | NET RESISTOR | 22Ω 1/32W J x4    | L7006    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3018   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | L9001    | NQL71EM-150X | COIL           | 15uH M            |
| RA3020   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | L9002    | NQL52EM-100X | COIL           | 10uH M            |
| RA3022   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | L9201    | NQL71EM-150X | COIL           | 15uH M            |
| RA3023   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | J001     | NNZ0117-001  | HDMI CONNECTOR | DIGITAL IN        |
| RA3024   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | J7001    | QNS0001-001  | 3.5 JACK       | AV COMPLINK       |
| RA3025   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | K1001    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3026   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | K1002    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3028   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | K1003    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3030   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | K1004    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3032   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | K2104    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA3502   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | K2106    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3506   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | K2107    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA3508   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | K3003    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3512   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | K3006    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3516   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | K3009    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA3518   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | K6101    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3521   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | K6102    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3523   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | K6103    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3526   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | K6104    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3530   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | K7002    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA3531   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | LC0102   | NQR0483-005X | EMI FILTER     | 100uF 25V Z       |
| RA3536   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | LC0510   | NQR0498-001X | EMI FILTER     |                   |
| RA3540   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | LC0511   | NQR0498-001X | EMI FILTER     |                   |
| RA3542   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J       | LC0512   | NQR0498-001X | EMI FILTER     |                   |
| RA3545   | NRZ0080-510X | NET RESISTOR | 51Ω 1/16W J       | LC0513   | NQR0498-001X | EMI FILTER     |                   |
| RA3547   | NRZ0040-510X | NET RESISTOR | 51Ω 1/16W J x4    | LC0519   | NQR0416-001X | EMI FILTER     | 240pF 16V M       |
| RA4001   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     | SL7001   | NAX0613-001X | C RESONATOR    |                   |
| RA4002   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     | X1001    | NAX0642-001X | CRYSTAL        |                   |
| RA4003   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     | X3001    | NAX0635-001X | CXO            | 74.1758MHz        |
| RA4004   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     | X3002    | NAX0637-001X | CXO            |                   |
| RA4005   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     | X4001    | NAX0669-001X | C RESONATOR    |                   |
| RA4006   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     | X7601    | NAX0613-001X | C RESONATOR    |                   |
| RA7601   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     |          |              |                |                   |
| RA7602   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     |          |              |                |                   |
| RA7603   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     |          |              |                |                   |
| RA7604   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     |          |              |                |                   |
| RA7605   | NRZ0034-0R0W | NET RESISTOR | 0Ω 1/32W J x4     |          |              |                |                   |
| RB7605   | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J        |          |              |                |                   |
| RB7614   | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J        |          |              |                |                   |
| RB7615   | NRSA63J-0R0X | MG RESISTOR  | 0Ω 1/16W J        |          |              |                |                   |

## FRONT CONTROL P.W. BOARD ASS'Y (SFP-8501A-U2)

| △Ref No. | Part No.     | Part Name       | Description Local |
|----------|--------------|-----------------|-------------------|
| Q1201    | UN2212-X     | DIGI TRANSISTOR |                   |
| Q1205    | UN2110-X     | DIGI TRANSISTOR |                   |
| Q1206    | UN2110-X     | DIGI TRANSISTOR |                   |
| Q1209    | UN2212-X     | DIGI TRANSISTOR |                   |
| D1101    | MA8100/M/-X  | Z DIODE         |                   |
| D1102    | MA8100/M/-X  | Z DIODE         |                   |
| D1103    | MA8100/M/-X  | Z DIODE         |                   |
| D1104    | MA8100/M/-X  | Z DIODE         |                   |
| D1105    | MA8100/M/-X  | Z DIODE         |                   |
| D1201    | SMLU12E16W-P | LED             | POWER             |
| D1401    | MA8100/M/-X  | Z DIODE         |                   |
| D1402    | MA8100/M/-X  | Z DIODE         |                   |
| D1403    | MA8100/M/-X  | Z DIODE         |                   |
| D1404    | MA8100/M/-X  | Z DIODE         |                   |
| D1405    | MA8100/M/-X  | Z DIODE         |                   |
| D1406    | MA8100/M/-X  | Z DIODE         |                   |
| D1501    | MA111-X      | SI DIODE        |                   |
| D1502    | MA111-X      | SI DIODE        |                   |
| C1001    | NRSA63J-0R0X | MG RESISTOR     | 0Ω 1/16W J        |
| C1101    | NEH71CM-106X | E CAPACITOR     | 10uF 16V M        |
| C1102    | NCB31HK-103X | C CAPACITOR     | 0.01uF 50V K      |
| C1103    | NEH71CM-106X | E CAPACITOR     | 10uF 16V M        |
| C1104    | NEH71HM-105X | E CAPACITOR     | 1uF 50V M         |
| C1105    | NEH71HM-105X | E CAPACITOR     | 1uF 50V M         |

| △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|
| C1106    | NRS181J-0R0X | MG RESISTOR | 0Ω 1/8W J         |
| C1107    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1002    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R1101    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J       |
| R1102    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J       |
| R1103    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J       |
| R1104    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J     |
| R1105    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J     |
| R1201    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R1202    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R1205    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R1206    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R1208    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R1401    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J       |
| R1402    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J       |
| R1403    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J       |
| R1404    | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J      |
| R1405    | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J      |
| R1411    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1412    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1413    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1414    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1415    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1416    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1424    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1501    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R1502    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R1503    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R1504    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R1505    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| J1101    | QNZ0438-001  | AV JACK     | INPUT4            |
| J1401    | QNZ0061-001  | D CONNECTOR | PC INPUT          |
| S1201    | QSW0619-003Z | TACT SWITCH | POWER             |
| S1501    | QSW0619-003Z | TACT SWITCH | INPUT4            |
| S1502    | QSW0619-003Z | TACT SWITCH | INPUT3            |
| S1503    | QSW0619-003Z | TACT SWITCH | INPUT2            |
| S1504    | QSW0619-003Z | TACT SWITCH | INPUT1            |
| S1505    | QSW0619-003Z | TACT SWITCH | TV                |
|          | LC41896-001A | LED HOLDER  |                   |

### AV JACK P.W. BOARD ASS'Y (SFP0J501A-M2)

| △Ref No. | Part No.       | Part Name       | Description Local |
|----------|----------------|-----------------|-------------------|
| Q2051    | UN2226-X       | DIGI TRANSISTOR |                   |
| Q2052    | UN2226-X       | DIGI TRANSISTOR |                   |
| Q2055    | UN2110-X       | DIGI TRANSISTOR |                   |
| Q2201    | DTC323TK-X     | DIGI TRANSISTOR |                   |
| Q2203    | DTC323TK-X     | DIGI TRANSISTOR |                   |
| Q2204    | DTC323TK-X     | DIGI TRANSISTOR |                   |
| Q2205    | 2SA1037AK/QR-X | TRANSISTOR      |                   |
| D2001    | MA8100/M/-X    | Z DIODE         |                   |
| D2002    | MA8100/M/-X    | Z DIODE         |                   |
| D2003    | MA8100/M/-X    | Z DIODE         |                   |
| D2004    | MA8100/M/-X    | Z DIODE         |                   |
| D2005    | MA8100/M/-X    | Z DIODE         |                   |
| D2006    | MA8100/M/-X    | Z DIODE         |                   |
| D2007    | MA8100/M/-X    | Z DIODE         |                   |
| D2008    | MA8100/M/-X    | Z DIODE         |                   |
| D2009    | MA8100/M/-X    | Z DIODE         |                   |
| D2010    | MA8100/M/-X    | Z DIODE         |                   |
| D2011    | MA8100/M/-X    | Z DIODE         |                   |
| D2012    | MA8100/M/-X    | Z DIODE         |                   |
| D2013    | MA8100/M/-X    | Z DIODE         |                   |
| D2014    | MA8100/M/-X    | Z DIODE         |                   |
| D2015    | MA8100/M/-X    | Z DIODE         |                   |
| D2016    | MA8100/M/-X    | Z DIODE         |                   |
| D2017    | MA8100/M/-X    | Z DIODE         |                   |
| D2053    | MA8100/M/-X    | Z DIODE         |                   |
| D2054    | MA8100/M/-X    | Z DIODE         |                   |
| D2201    | MA8100/M/-X    | Z DIODE         |                   |
| D2202    | MA8100/M/-X    | Z DIODE         |                   |
| D2203    | MA8100/M/-X    | Z DIODE         |                   |
| D2205    | MA8100/M/-X    | Z DIODE         |                   |
| D2206    | MA8100/M/-X    | Z DIODE         |                   |
| D2207    | MA8100/M/-X    | Z DIODE         |                   |
| D2208    | MA8100/M/-X    | Z DIODE         |                   |
| C2001    | NCB31HK-103X   | C CAPACITOR     | 0.01uF 50V K      |
| C2002    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |

| △Ref No. | Part No.     | Part Name   | Description Local              |
|----------|--------------|-------------|--------------------------------|
| C2003    | NRS181J-0R0X | MG RESISTOR | 0Ω 1/8W J                      |
| C2004    | NCB11AK-106X | C CAPACITOR | 10uF 10V K                     |
| C2005    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2006    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2007    | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K                   |
| C2008    | NCB11AK-106X | C CAPACITOR | 10uF 10V K                     |
| C2009    | NRS181J-0R0X | MG RESISTOR | 0Ω 1/8W J                      |
| C2010    | NCB11AK-106X | C CAPACITOR | 10uF 10V K                     |
| C2011    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2012    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2013    | NCB11AK-106X | C CAPACITOR | 10uF 10V K                     |
| C2014    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2015    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2051    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2052    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2055    | NCB11CK-105X | C CAPACITOR | 1uF 16V K                      |
| C2201    | NCB11CK-105X | C CAPACITOR | 1uF 16V K                      |
| C2202    | NCB11CK-105X | C CAPACITOR | 1uF 16V K                      |
| C2203    | NCB11CK-105X | C CAPACITOR | 1uF 16V K                      |
| C2204    | NCB11CK-105X | C CAPACITOR | 1uF 16V K                      |
| C2205    | NCB11CK-105X | C CAPACITOR | 1uF 16V K                      |
| C2206    | NCB11CK-105X | C CAPACITOR | 1uF 16V K                      |
| C2207    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2208    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2209    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2210    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2213    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| C2214    | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K                    |
| R2001    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2002    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2003    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2004    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J                  |
| R2005    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J                  |
| R2006    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2007    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2008    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2009    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J                  |
| R2010    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J                  |
| R2011    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2012    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J                  |
| R2013    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J                  |
| R2051    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2052    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J                  |
| R2053    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J                  |
| R2054    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J                   |
| R2055    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J                   |
| R2056    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J                   |
| R2057    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J                   |
| R2058    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J                  |
| R2059    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2060    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2061    | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J                   |
| R2062    | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J                   |
| R2065    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J                   |
| R2066    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J                   |
| R2069    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J                    |
| R2071    | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J                   |
| R2201    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J                     |
| R2202    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2203    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2204    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2207    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2208    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2209    | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J                    |
| R2210    | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J                  |
| R2212    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J                   |
| R2213    | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J                   |
| R2214    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J                     |
| R2215    | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J                  |
| R2216    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J                   |
| R2217    | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J                   |
| R2218    | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J                   |
| R2219    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J                   |
| R2220    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J                  |
| J2001    | QNZ0700-001  | AV JACK     | INPUT1,3                       |
| J2002    | QNN0646-001  | PIN JACK    | INPUT1 COMP                    |
| J2003    | QNN0644-001  | PIN JACK    | INPUT2                         |
| J2004    | QNN0641-001  | PIN JACK    | INPUT2 COMP/CENTER CH AUDIO IN |
| J2006    | QNZ0699-001  | AV JACK     | MONI/REC OUT                   |
| J2007    | QNN0645-001  | PIN JACK    | SUB WOOFER/AUDIO OUT           |



# RECEIVER P.W. BOARD ASS'Y (SFP0F501A-M2)

| △Ref No. | Part No.       | Part Name       | Description Local |
|----------|----------------|-----------------|-------------------|
| IC3101   | CXA2205Q-X     | IC              |                   |
| IC3102   | HA17558AF-X    | IC              |                   |
| IC3103   | HA17558AF-X    | IC              |                   |
| IC3104   | CD4066BNS-X    | IC              |                   |
| IC3105   | HA17558AF-X    | IC              |                   |
| IC3106   | TPS852-W       | PHOTO CONDUCTOR |                   |
| Q3001    | 2SA1530A/QR/-X | TRANSISTOR      |                   |
| Q3002    | 2SC3928A/QR/-X | TRANSISTOR      |                   |
| Q3109    | UN2212-X       | DIGI TRANSISTOR |                   |
| Q3110    | UN2212-X       | DIGI TRANSISTOR |                   |
| Q3151    | 2SA1530A/QR/-X | TRANSISTOR      |                   |
| Q3152    | 2SA1530A/QR/-X | TRANSISTOR      |                   |
| C3001    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3002    | NEH71HM-106X   | E CAPACITOR     | 10uF 50V M        |
| C3005    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3006    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3101    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3102    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3104    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3105    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3106    | NCF31CZ-104X   | C CAPACITOR     | 0.1uF 16V Z       |
| C3107    | NCF31CZ-104X   | C CAPACITOR     | 0.1uF 16V Z       |
| C3108    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3109    | NCB31HK-223X   | C CAPACITOR     | 0.022uF 50V K     |
| C3110    | NCB31HK-472X   | C CAPACITOR     | 4700pF 50V K      |
| C3111    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3112    | NCB31EK-104X   | C CAPACITOR     | 0.1uF 25V K       |
| C3113    | NCB31HK-472X   | C CAPACITOR     | 4700pF 50V K      |
| C3114    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3115    | NCF31CZ-104X   | C CAPACITOR     | 0.1uF 16V Z       |
| C3116    | NCF31CZ-104X   | C CAPACITOR     | 0.1uF 16V Z       |
| C3117    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3118    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3119    | NCB21CK-105X   | C CAPACITOR     | 1uF 16V K         |
| C3120    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3121    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3122    | NCB11AK-335X   | C CAPACITOR     | 3.3uF 10V K       |
| C3123    | NCB31HK-473X   | C CAPACITOR     | 0.047uF 50V K     |
| C3124    | NCB31HK-272X   | C CAPACITOR     | 2700pF 50V K      |
| C3125    | NCB31EK-104X   | C CAPACITOR     | 0.1uF 25V K       |
| C3126    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3127    | NCB31HK-562X   | C CAPACITOR     | 5600pF 50V K      |
| C3128    | NCB31HK-123X   | C CAPACITOR     | 0.012uF 50V K     |
| C3129    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3130    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3131    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3132    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3133    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3134    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3135    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3136    | NCB21CK-105X   | C CAPACITOR     | 1uF 16V K         |
| C3138    | NCB31CK-683X   | C CAPACITOR     | 0.068uF 16V K     |
| C3139    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3140    | NCB31HK-183X   | C CAPACITOR     | 0.018uF 50V K     |
| C3141    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3142    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3143    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3144    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3145    | NEH71CM-476X   | E CAPACITOR     | 47uF 16V M        |
| C3146    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3147    | NCB11AK-475X   | C CAPACITOR     | 4.7uF 10V K       |
| C3148    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3149    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3150    | NCF11CZ-475X   | C CAPACITOR     | 4.7uF 16V Z       |
| C3151    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3155    | NCB11CK-225X   | C CAPACITOR     | 2.2uF 16V K       |
| C3156    | NCB11CK-225X   | C CAPACITOR     | 2.2uF 16V K       |
| C3157    | NCF11CZ-475X   | C CAPACITOR     | 4.7uF 16V Z       |
| C3161    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3162    | NCB11AK-106X   | C CAPACITOR     | 10uF 10V K        |
| C3163    | NCB31CK-104X   | C CAPACITOR     | 0.1uF 16V K       |
| R3001    | NRSA63J-473X   | MG RESISTOR     | 47kΩ 1/16W J      |
| R3003    | NRSA63J-221X   | MG RESISTOR     | 220Ω 1/16W J      |
| R3004    | NRSA63J-221X   | MG RESISTOR     | 220Ω 1/16W J      |
| R3005    | NRSA63J-103X   | MG RESISTOR     | 10kΩ 1/16W J      |
| R3006    | NRSA63J-273X   | MG RESISTOR     | 27kΩ 1/16W J      |
| R3007    | NRSA63J-103X   | MG RESISTOR     | 10kΩ 1/16W J      |
| R3008    | NRSA63J-0R0X   | MG RESISTOR     | 0Ω 1/16W J        |
| R3011    | NRSA63J-0R0X   | MG RESISTOR     | 0Ω 1/16W J        |
| R3018    | NRSA63J-0R0X   | MG RESISTOR     | 0Ω 1/16W J        |
| R3111    | NRSA63J-472X   | MG RESISTOR     | 4.7kΩ 1/16W J     |
| R3112    | NRSA63J-472X   | MG RESISTOR     | 4.7kΩ 1/16W J     |

| △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|
| R3113    | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R3114    | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R3115    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3116    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3117    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3118    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3119    | NRSA63J-225X | MG RESISTOR | 2.2MΩ 1/16W J     |
| R3122    | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J     |
| R3123    | NRSA63J-302X | MG RESISTOR | 3kΩ 1/16W J       |
| R3125    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R3126    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R3127    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R3128    | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J       |
| R3129    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     |
| R3131    | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J      |
| R3132    | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J      |
| R3133    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3139    | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R3140    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3141    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3142    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R3143    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R3144    | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| R3145    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3146    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3150    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R3152    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3153    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R3156    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3158    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      |
| R3159    | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| R3160    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R3161    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R3162    | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R3163    | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J      |
| R3164    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3165    | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J      |
| R3166    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3176    | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J      |
| R3191    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     |
| L3001    | NQL79GM-100X | COIL        | 10uH M            |
| L3002    | NQL79GM-100X | COIL        | 10uH M            |
| TU3001   | QAU0378-001  | TUNER       |                   |

# SYSTEM POWER P.W. BOARD ASS'Y (SFP-9511A-M2)

| △ Ref No. | Part No.       | Part Name       | Description Local |
|-----------|----------------|-----------------|-------------------|
| IC9001    | STR-W6765-F5   | IC              |                   |
| Q9001     | 2SC3928A/QR/-X | TRANSISTOR      |                   |
| Q9002     | 2SC3928A/QR/-X | TRANSISTOR      |                   |
| Q9003     | 2SC3928A/QR/-X | TRANSISTOR      |                   |
| Q9004     | 2SA1530A/QR/-X | TRANSISTOR      |                   |
| Q9351     | 2SD1266A/QP/-  | POW TRANSISTOR  |                   |
| Q9352     | UN2213-X       | DIGI TRANSISTOR |                   |
| Q9353     | UN2213-X       | DIGI TRANSISTOR |                   |
| △ D9001   | RGP10J-5025-T3 | SI DIODE        |                   |
| D9002     | RD33E/B1/-T2   | Z DIODE         |                   |
| D9003     | MA111-X        | SI DIODE        |                   |
| △ D9004   | D2SBA60        | BRIDGE DIODE    |                   |
| D9007     | RGP10J-5025-T3 | SI DIODE        |                   |
| D9008     | D1FL20U-X      | SI DIODE        |                   |
| D9010     | SARS01-T2      | SI DIODE        |                   |
| D9011     | SARS01-T2      | SI DIODE        |                   |
| D9012     | MA111-X        | SI DIODE        |                   |
| D9013     | MA111-X        | SI DIODE        |                   |
| D9014     | RGP10J-5025-T3 | SI DIODE        |                   |
| D9015     | FMX-22S        | SI DIODE        |                   |
| D9016     | RGP10J-5025-T3 | SI DIODE        |                   |
| D9017     | UTCTL431-T     | IC              |                   |
| D9018     | RD33E/B1/-T2   | Z DIODE         |                   |
| D9019     | MA111-X        | SI DIODE        |                   |
| D9021     | MA8024-X       | Z DIODE         |                   |
| D9211     | S1WB/A/60-X    | BRIDGE DIODE    |                   |
| D9212     | MA8091/L/-X    | Z DIODE         |                   |
| D9351     | 1N4002G-T2     | SI DIODE        |                   |
| D9352     | MA8091/L/-X    | Z DIODE         |                   |
| D9353     | MA8024-X       | Z DIODE         |                   |
| D9354     | NRSA02J-0R0X   | MG RESISTOR     | 0Ω 1/10W J        |

| △ Ref No. | Part No.        | Part Name       | Description Local |
|-----------|-----------------|-----------------|-------------------|
| D9355     | MA111-X         | SI DIODE        |                   |
| △ C9001   | QFZ9072-224     | MM CAPACITOR    | 0.22uF AC250V K   |
| △ C9003   | QCZ9079-471     | C CAPACITOR     | 470pF AC250V K    |
| △ C9005   | QCZ9079-471     | C CAPACITOR     | 470pF AC250V K    |
| △ C9006   | QFZ9072-224     | MM CAPACITOR    | 0.22uF AC250V K   |
| C9007     | QEHR1HM-105Z    | E CAPACITOR     | 1uF 50V M         |
| C9008     | NDC31HJ-471X    | C CAPACITOR     | 470pF 50V J       |
| C9011     | QCZ0340-821     | C CAPACITOR     | 820pF 2kV K       |
| C9012     | QEHR1HM-226Z    | E CAPACITOR     | 22uF 50V M        |
| C9014     | QEZ0199-127     | E CAPACITOR     | 120uF 400V M      |
| C9016     | QFP32JK-332     | PP CAPACITOR    | 3300pF 630V K     |
| C9018     | NCB31HK-332X    | C CAPACITOR     | 3300pF 50V K      |
| C9019     | NCB31HK-104X    | C CAPACITOR     | 0.1uF 50V K       |
| △ C9021   | QCZ9079-102     | C CAPACITOR     | 1000pF AC250V M   |
| C9024     | QEHR2AM-226Z    | E CAPACITOR     | 22uF 100V M       |
| C9028     | NCB31HK-104X    | C CAPACITOR     | 0.1uF 50V K       |
| C9029     | QECQ1EM-228     | E CAPACITOR     | 2200uF 25V M      |
| C9030     | QECQ1EM-228     | E CAPACITOR     | 2200uF 25V M      |
| C9031     | QEHR1EM-108Z    | E CAPACITOR     | 1000uF 25V M      |
| C9033     | QEHR1HM-105Z    | E CAPACITOR     | 1uF 50V M         |
| C9034     | QEHR1EM-477Z    | E CAPACITOR     | 470uF 25V M       |
| C9035     | QEHR1EM-107Z    | E CAPACITOR     | 100uF 25V M       |
| C9036     | QEHR1HM-105Z    | E CAPACITOR     | 1uF 50V M         |
| C9037     | QEHR1HM-226Z    | E CAPACITOR     | 22uF 50V M        |
| C9210     | QEHR1CM-107Z    | E CAPACITOR     | 100uF 16V M       |
| C9351     | QEHR1HM-105Z    | E CAPACITOR     | 1uF 50V M         |
| C9352     | QEHR1CM-227Z    | E CAPACITOR     | 220uF 16V M       |
| △ R9001   | QRK129J-105     | UNF C RESISTOR  | 1MΩ 1/2W J        |
| R9003     | QRX01GJ-R39     | MF RESISTOR     | 0.39Ω 1W J        |
| R9004     | QRK126J-101X    | UNF C RESISTOR  | 100Ω 1/2W J       |
| R9005     | QRG01GJ-473     | OMF RESISTOR    | 47kΩ 1W J         |
| R9008     | QRF074K-3R3     | UNF WW RESISTOR | 3.3Ω 7W K         |
| R9010     | NRS12BJ-122W    | MG RESISTOR     | 1.2kΩ 1/2W J      |
| R9011     | QRE121J-564Y    | C RESISTOR      | 560kΩ 1/2W J      |
| R9012     | QRL039J-220     | OMF RESISTOR    | 22Ω 3W J          |
| △ R9013   | QRZ9017-220     | FUSI RESISTOR   | 22Ω 1/4W J        |
| R9014     | NRSA63J-332X    | MG RESISTOR     | 3.3kΩ 1/16W J     |
| R9015     | NRSA63J-102X    | MG RESISTOR     | 1kΩ 1/16W J       |
| △ R9016   | QRZ0107-685Z    | C RESISTOR      | 6.8MΩ 1/2W K      |
| R9017     | NRSA63J-222X    | MG RESISTOR     | 2.2kΩ 1/16W J     |
| R9018     | NRSA63J-473X    | MG RESISTOR     | 47kΩ 1/16W J      |
| R9019     | NRSA63J-102X    | MG RESISTOR     | 1kΩ 1/16W J       |
| R9020     | NRSA63J-102X    | MG RESISTOR     | 1kΩ 1/16W J       |
| R9023     | NRSA63J-183X    | MG RESISTOR     | 18kΩ 1/16W J      |
| R9024     | NRSA63J-123X    | MG RESISTOR     | 12kΩ 1/16W J      |
| R9025     | NRSA63D-272X    | MG RESISTOR     | 2.7kΩ 1/16W D     |
| R9027     | QRL029J-152     | OMF RESISTOR    | 1.5kΩ 2W J        |
| R9028     | NRSA63J-332X    | MG RESISTOR     | 3.3kΩ 1/16W J     |
| R9029     | NRSA63J-103X    | MG RESISTOR     | 10kΩ 1/16W J      |
| R9030     | NRSA63J-332X    | MG RESISTOR     | 3.3kΩ 1/16W J     |
| R9031     | NRSA63J-223X    | MG RESISTOR     | 22kΩ 1/16W J      |
| R9032     | NRSA63J-333X    | MG RESISTOR     | 33kΩ 1/16W J      |
| R9033     | NRSA63J-104X    | MG RESISTOR     | 100kΩ 1/16W J     |
| R9034     | NRSA63J-682X    | MG RESISTOR     | 6.8kΩ 1/16W J     |
| R9035     | NRSA63J-822X    | MG RESISTOR     | 8.2kΩ 1/16W J     |
| R9037     | NRSA63J-470X    | MG RESISTOR     | 47Ω 1/16W J       |
| R9033     | NRSA63J-332X    | MG RESISTOR     | 3.3kΩ 1/16W J     |
| R9039     | NRSA63J-0R0X    | MG RESISTOR     | 0Ω 1/16W J        |
| R9202     | NRS12BJ-333W    | MG RESISTOR     | 33kΩ 1/2W J       |
| R9203     | NRS12BJ-333W    | MG RESISTOR     | 33kΩ 1/2W J       |
| R9206     | NRSA63J-183X    | MG RESISTOR     | 18kΩ 1/16W J      |
| R9209     | NRS12BJ-333W    | MG RESISTOR     | 33kΩ 1/2W J       |
| R9313     | NRSA63J-103X    | MG RESISTOR     | 10kΩ 1/16W J      |
| R9351     | QRE121J-681Y    | C RESISTOR      | 680Ω 1/2W J       |
| R9352     | NRSA63J-103X    | MG RESISTOR     | 10kΩ 1/16W J      |
| L9001     | QQLZ026-260     | COIL            | 26uH ±7%          |
| L9002     | QQL26AK-220Z    | CHOKE COIL      | 22uH K            |
| △ T9001   | QQS0254-001     | SW TRANS        |                   |
| △ PC9001  | PS2581AL1/QW/   | PHOTO COUPLER   |                   |
| △ PC9201  | PS2581AL1/QW/   | PHOTO COUPLER   |                   |
| △ CP9001  | QMFZ043-5R0Z-J1 | FUSE            | 5A AC250V         |
| △ CP9002  | ICP-N50-Y       | IC PROTECTOR    | 2.0A              |
| △ CP9005  | ICP-N50-Y       | IC PROTECTOR    | 2.0A              |
| △ F9001   | QMF51D2-2R5-J1  | FUSE            | 2.5A AC250V       |
| K9008     | QQR1139-001     | FERRITE BEADS   |                   |
| △ LF9001  | QQR1084-002     | LINE FILTER     |                   |
| △ LF9002  | QQR1084-002     | LINE FILTER     |                   |
| △ RY9001  | QSK0119-001     | RELAY           |                   |
| △ VA9001  | QAF0060-621     | VARIATOR        | 620V              |
| △ VA9002  | QAF0027-271     | VARIATOR        | 270V              |

## REGULATOR P.W. BOARD ASS'Y (SFP-9507A-M2)

| △Ref No. | Part No.       | Part Name       | Description Local |
|----------|----------------|-----------------|-------------------|
| IC9401   | MP1580HS-X     | IC              |                   |
| IC9421   | MP1580HS-X     | IC              |                   |
| IC9621   | MP1580HS-X     | IC              |                   |
| IC9801   | M62320FP-X     | IC              |                   |
| Q9211    | 2SB1188/QR/-W  | TRANSISTOR      |                   |
| Q9212    | UN2213-X       | DIGI TRANSISTOR |                   |
| Q9822    | 2SC3926A/QR/-X | TRANSISTOR      |                   |
| D9401    | EC30HA03L-X    | SB DIODE        |                   |
| D9403    | PTZ11B-X       | Z DIODE         |                   |
| D9421    | EC30HA03L-X    | SB DIODE        |                   |
| D9423    | PTZ3.9B-X      | Z DIODE         |                   |
| D9424    | 1SS133-T2      | SI DIODE        |                   |
| D9621    | EC30HA03L-X    | SB DIODE        |                   |
| D9622    | PTZ6.8B-X      | Z DIODE         |                   |
| D9822    | MA8051/M/-X    | Z DIODE         |                   |
| D9823    | MA111-X        | SI DIODE        |                   |
| C9402    | NCJ41EK-106X-U | C CAPACITOR     | 10mF 25V K        |
| C9404    | NCB31HK-103X   | C CAPACITOR     | 0.01uF 50V K      |
| C9405    | NCJ41CK-226X-U | C CAPACITOR     | 22mF 16V K        |
| C9407    | NCB31HK-222X   | C CAPACITOR     | 2200pF 50V K      |
| C9408    | NCJ41CK-226X-U | C CAPACITOR     | 22mF 16V K        |
| C9422    | NCJ41EK-106X-U | C CAPACITOR     | 10mF 25V K        |
| C9424    | NCB31HK-103X   | C CAPACITOR     | 0.01uF 50V K      |
| C9425    | NCJ41CK-226X-U | C CAPACITOR     | 22mF 16V K        |
| C9427    | NCB31HK-222X   | C CAPACITOR     | 2200pF 50V K      |
| C9428    | NCJ41CK-226X-U | C CAPACITOR     | 22mF 16V K        |
| C9431    | NCB31HK-822X   | C CAPACITOR     | 8200pF 50V K      |
| C9622    | NCJ41EK-106X-U | C CAPACITOR     | 10mF 25V K        |
| C9624    | NCB31HK-103X   | C CAPACITOR     | 0.01uF 50V K      |
| C9625    | NCJ41CK-226X-U | C CAPACITOR     | 22mF 16V K        |
| C9627    | NCB31HK-222X   | C CAPACITOR     | 2200pF 50V K      |
| C9801    | NCB11CK-105X   | C CAPACITOR     | 1uF 16V K         |
| C9802    | NDC21HJ-121X   | C CAPACITOR     | 120pF 50V J       |
| C9803    | NDC21HJ-121X   | C CAPACITOR     | 120pF 50V J       |
| C9821    | NCB11CK-05X    | C CAPACITOR     | 1uF 16V K         |
| R9218    | NRSA63J-473X   | MG RESISTOR     | 47kΩ 1/16W J      |
| R9219    | NRSA63J-332X   | MG RESISTOR     | 3.3kΩ 1/16W J     |
| R9220    | NRSA63J-0R0X   | MG RESISTOR     | 0Ω 1/16W J        |
| R9231    | NRSA02J-0R0X   | MG RESISTOR     | 0Ω 1/10W J        |
| R9401    | NRSA02J-0R0X   | MG RESISTOR     | 0Ω 1/10W J        |
| R9402    | NRSA63J-473X   | MG RESISTOR     | 47kΩ 1/16W J      |
| R9403    | NRSA63J-153X   | MG RESISTOR     | 15kΩ 1/16W J      |
| R9404    | NRSA63D-104X   | MG RESISTOR     | 100kΩ 1/16W D     |
| R9405    | NRSA63D-184X   | MG RESISTOR     | 180kΩ 1/16W D     |
| R9406    | NRSA63D-103X   | MG RESISTOR     | 10kΩ 1/16W D      |
| R9407    | NRSA63J-103X   | MG RESISTOR     | 10kΩ 1/16W J      |
| R9408    | NRSA02J-0R0X   | MG RESISTOR     | 0Ω 1/10W J        |
| R9421    | NRSA02J-0R0X   | MG RESISTOR     | 0Ω 1/10W J        |
| R9423    | NRSA63J-824X   | MG RESISTOR     | 820kΩ 1/16W J     |
| R9424    | NRSA63D-123X   | MG RESISTOR     | 12kΩ 1/16W D      |
| R9425    | NRSA63J-124X   | MG RESISTOR     | 120kΩ 1/16W J     |
| R9426    | NRSA63D-103X   | MG RESISTOR     | 10kΩ 1/16W D      |
| R9427    | NRSA63J-103X   | MG RESISTOR     | 10kΩ 1/16W J      |
| R9428    | NRSA02J-0R0X   | MG RESISTOR     | 0Ω 1/10W J        |
| R9429    | QRE141J-473Y   | C RESISTOR      | 47kΩ 1/4W J       |
| R9621    | NRSA02J-0R0X   | MG RESISTOR     | 0Ω 1/10W J        |
| R9622    | NRSA63J-473X   | MG RESISTOR     | 47kΩ 1/16W J      |
| R9623    | NRSA63J-153X   | MG RESISTOR     | 15kΩ 1/16W J      |
| R9624    | NRSA63D-333X   | MG RESISTOR     | 33kΩ 1/16W D      |
| R9625    | NRSA63J-824X   | MG RESISTOR     | 820kΩ 1/16W J     |
| R9626    | NRSA63D-103X   | MG RESISTOR     | 10kΩ 1/16W D      |
| R9627    | NRSA63J-103X   | MG RESISTOR     | 10kΩ 1/16W J      |
| R9628    | NRSA02J-0R0X   | MG RESISTOR     | 0Ω 1/10W J        |
| R9629    | NRSA02J-471X   | MG RESISTOR     | 470Ω 1/10W J      |
| R9805    | NRSA63J-101X   | MG RESISTOR     | 100Ω 1/16W J      |
| R9906    | NRSA63J-101X   | MG RESISTOR     | 100Ω 1/16W J      |
| R9807    | NRSA63J-101X   | MG RESISTOR     | 100Ω 1/16W J      |
| R9809    | NRSA63J-101X   | MG RESISTOR     | 100Ω 1/16W J      |
| R9824    | NRSA63J-563X   | MG RESISTOR     | 56kΩ 1/16W J      |
| R9825    | NRSA63J-822X   | MG RESISTOR     | 8.2kΩ 1/16W J     |
| R9826    | NRSA63J-122X   | MG RESISTOR     | 1.2kΩ 1/16W J     |
| R9827    | NRSA63J-103X   | MG RESISTOR     | 10kΩ 1/16W J      |
| L9402    | NQL71EM-150X   | COIL            | 15uH M            |
| L9421    | NQL71EM-150X   | COIL            | 15uH M            |
| L9621    | NQL71EM-150X   | COIL            | 15uH M            |

# ANALOG SIGNAL P.W. BOARD ASS'Y (SFP0A501A-M2)

| △Ref No. | Part No.       | Part Name      | Description Local |
|----------|----------------|----------------|-------------------|
| IC201    | TA1370FG-X     | IC             | 80pin             |
| IC202    | SN74AHC1G08V-X | IC             |                   |
| IC203    | CD74HC4053PW-X | IC             |                   |
| IC301    | AN15852A       | IC             |                   |
| IC501    | CXA2069Q       | IC             |                   |
| IC502    | MM1510XN-X     | IC             |                   |
| IC503    | MM1510XN-X     | IC             |                   |
| IC504    | MM1510XN-X     | IC             |                   |
| IC611    | BA4558F-X      | IC             |                   |
| IC612    | RC4558D-X      | IC             |                   |
| IC711    | CXA1875AM-X    | IC             |                   |
| IC801    | TB1274AF       | IC             |                   |
| IC802    | TC90A69AF-X    | IC             |                   |
| IC803    | BA05FP-X       | IC             |                   |
| IC902    | TA48M033F-X    | IC             |                   |
| Q307     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q402     | 2SK1374-X      | MOS FET        |                   |
| Q403     | 2SK1374-X      | MOS FET        |                   |
| Q404     | 2SK1374-X      | MOS FET        |                   |
| Q405     | 2SK1374-X      | MOS FET        |                   |
| Q507     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q508     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q509     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q801     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q802     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q810     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q851     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q853     | 2SC3928A/QR/-X | TRANSISTOR     |                   |
| Q854     | 2SC3928A/QR/-X | TRANSISTOR     |                   |
| Q855     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q858     | 2SC3928A/QR/-X | TRANSISTOR     |                   |
| Q859     | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| Q862     | 2SC3928A/QR/-X | TRANSISTOR     |                   |
| Q863     | 2SC3928A/QR/-X | TRANSISTOR     |                   |
| Q901     | 2SC3074/OY/-X  | TRANSISTOR     |                   |
| QB613    | 2SC3928A/QR/-X | TRANSISTOR     |                   |
| QB614    | 2SA1530A/QR/-X | TRANSISTOR     |                   |
| D501     | MA8100/M/-X    | Z DIODE        |                   |
| D903     | PTZ11B-X       | Z DIODE        |                   |
| D904     | PTZ6.8B-X      | Z DIODE        |                   |
| DB201    | MA8033-X       | Z DIODE        |                   |
| DB601    | MA111-X        | SI DIODE       |                   |
| DB602    | MA111-X        | SI DIODE       |                   |
| DB603    | MA111-X        | SI DIODE       |                   |
| DB605    | MA111-X        | SI DIODE       |                   |
| DB606    | MA111-X        | SI DIODE       |                   |
| DB701    | MA8051/M/-X    | Z DIODE        |                   |
| C201     | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      |
| C202     | NEH71HM-225X   | E CAPACITOR    | 2.2uF 50V M       |
| C203     | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      |
| C204     | NEZ0022-157X   | E CAPACITOR    | 150uF 10V M       |
| C205     | NEH71HM-105X   | E CAPACITOR    | 1uF 50V M         |
| C206     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C207     | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       |
| C208     | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      |
| C301     | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       |
| C302     | NEH71CM-476X   | E CAPACITOR    | 47uF 16V M        |
| C306     | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      |
| C307     | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      |
| C308     | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      |
| C319     | NEH71CM-476X   | E CAPACITOR    | 47uF 16V M        |
| C320     | NCB31CK-104X   | C CAPACITOR    | 0.1uF 16V K       |
| C321     | NEH71CM-106X   | E CAPACITOR    | 10uF 16V M        |
| C322     | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       |
| C323     | NEH71CM-476X   | E CAPACITOR    | 47uF 16V M        |
| C324     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C325     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C326     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C327     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C328     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C329     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C330     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C339     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C340     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C341     | NCB31HK-472X   | C CAPACITOR    | 4700pF 50V K      |
| C342     | NCB31HK-472X   | C CAPACITOR    | 4700pF 50V K      |
| C343     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C346     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C349     | NEN51EM-106X   | BP E CAPACITOR | 10uF 25V M        |
| C355     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C356     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |
| C357     | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         |

| △Ref No. | Part No.     | Part Name      | Description Local |
|----------|--------------|----------------|-------------------|
| C403     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C404     | NCB31CK-104X | C CAPACITOR    | 0.1uF 16V K       |
| C405     | NCB11CK-475X | C CAPACITOR    | 4.7uF 16V K       |
| C406     | NCB11CK-475X | C CAPACITOR    | 4.7uF 16V K       |
| C501     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C502     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C503     | NEN51EM-106X | BP E CAPACITOR | 10uF 25V M        |
| C505     | NEN51EM-106X | BP E CAPACITOR | 10uF 25V M        |
| C506     | NDC31HJ-270X | C CAPACITOR    | 27pF 50V J        |
| C515     | NCB11CK-105X | C CAPACITOR    | 1uF 16V K         |
| C516     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C517     | NEH71AM-107X | E CAPACITOR    | 100uF 10V M       |
| C519     | NEH71HM-106X | E CAPACITOR    | 10uF 50V M        |
| C520     | NCB11CK-105X | C CAPACITOR    | 1uF 16V K         |
| C521     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C522     | NEH71AM-107X | E CAPACITOR    | 100uF 10V M       |
| C523     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C524     | NCB11CK-105X | C CAPACITOR    | 1uF 16V K         |
| C525     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C526     | NEH71AM-107X | E CAPACITOR    | 100uF 10V M       |
| C527     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C601     | NEN51HM-474X | BP E CAPACITOR | 0.47uF 50V M      |
| C602     | NEN51HM-474X | BP E CAPACITOR | 0.47uF 50V M      |
| C603     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C604     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C605     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C606     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C607     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C608     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C711     | NEH71CM-106X | E CAPACITOR    | 10uF 16V M        |
| C712     | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C801     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C802     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C803     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C804     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C805     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C806     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C807     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C808     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C809     | NCF11CZ-475X | C CAPACITOR    | 4.7uF 16V Z       |
| C813     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C814     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C818     | NEH71HM-106X | E CAPACITOR    | 10uF 50V M        |
| C819     | NDC31HJ-8R0X | C CAPACITOR    | 8pF 50V J         |
| C820     | NCB31AK-474X | C CAPACITOR    | 0.47uF 10V K      |
| C821     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C822     | NCB11CK-225X | C CAPACITOR    | 2.2uF 16V K       |
| C823     | NCB31HK-153X | C CAPACITOR    | 0.015uF 50V K     |
| C824     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C825     | NDC31HJ-180X | C CAPACITOR    | 18pF 50V J        |
| C826     | NEH71EM-226X | E CAPACITOR    | 22uF 25V M        |
| C827     | NEH70JM-107X | E CAPACITOR    | 100uF 6.3V M      |
| C828     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C835     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C850     | NDC31HJ-180X | C CAPACITOR    | 18pF 50V J        |
| C851     | NDC31HJ-560X | C CAPACITOR    | 56pF 50V J        |
| C852     | NDC31HJ-560X | C CAPACITOR    | 56pF 50V J        |
| C853     | NEH71CM-476X | E CAPACITOR    | 47uF 16V M        |
| C854     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C855     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C856     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C857     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C858     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C859     | NCB31AK-474X | C CAPACITOR    | 0.47uF 10V K      |
| C860     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C861     | NDC31HJ-681X | C CAPACITOR    | 680pF 50V J       |
| C862     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C863     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C864     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C865     | NDC31HJ-560X | C CAPACITOR    | 56pF 50V J        |
| C866     | NDC31HJ-560X | C CAPACITOR    | 56pF 50V J        |
| C868     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C869     | NDC31HJ-560X | C CAPACITOR    | 56pF 50V J        |
| C870     | NDC31HJ-560X | C CAPACITOR    | 56pF 50V J        |
| C872     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C873     | NDC31HJ-330X | C CAPACITOR    | 33pF 50V J        |
| C874     | NDC31HJ-150X | C CAPACITOR    | 15pF 50V J        |
| C875     | NDC31HJ-100X | C CAPACITOR    | 10pF 50V J        |
| C876     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C877     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C878     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C879     | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C880     | NEH71AM-107X | E CAPACITOR    | 100uF 10V M       |
| C881     | NEH71AM-107X | E CAPACITOR    | 100uF 10V M       |
| C882     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C883     | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C884     | NEH71AM-107X | E CAPACITOR    | 100uF 10V M       |

| △Ref No. | Part No.     | Part Name   | Description Local | △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|-------------|-------------------|
| C885     | NEH71AM-107X | E CAPACITOR | 100uF 10V M       | R529     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| C886     | NEH71HM-106X | E CAPACITOR | 10uF 50V M        | R530     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| C887     | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K       | R531     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| C888     | NEH71AM-107X | E CAPACITOR | 100uF 10V M       | R532     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C889     | NEH71HM-106X | E CAPACITOR | 10uF 50V M        | R533     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C890     | NEH71HM-106X | E CAPACITOR | 10uF 50V M        | R534     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| C891     | NEH71CM-476X | E CAPACITOR | 47uF 16V M        | R538     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| C892     | NDC31HJ-180X | C CAPACITOR | 18pF 50V J        | R539     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C894     | NDC31HJ-180X | C CAPACITOR | 18pF 50V J        | R540     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| C895     | NDC31HJ-680X | C CAPACITOR | 68pF 50V J        | R541     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C904     | NCB11AK-106X | C CAPACITOR | 10uF 10V K        | R573     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| C905     | NEH91CM-476X | E CAPACITOR | 47uF 16V M        | R574     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| C911     | NEX51CM-335X | E CAPACITOR | 3.3uF 16V M       | R575     | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
| C912     | NEH71CM-476X | E CAPACITOR | 47uF 16V M        | R576     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| C913     | NEX51CM-335X | E CAPACITOR | 3.3uF 16V M       | R577     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| C916     | NEX50JM-156X | E CAPACITOR | 15uF 6.3V M       | R578     | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
| CB613    | NEH71CM-106X | E CAPACITOR | 10uF 16V M        | R579     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| CB614    | NEH71CM-476X | E CAPACITOR | 47uF 16V M        | R580     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R201     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R581     | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
| R202     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R582     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R203     | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J     | R583     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R204     | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J      | R584     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R207     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R601     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R208     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R602     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R211     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R603     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R212     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R604     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R213     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R606     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R214     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R607     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R216     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R608     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R220     | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     | R612     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R302     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R613     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R303     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R614     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R304     | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      | R615     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R305     | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      | R616     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R306     | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      | R617     | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      |
| R316     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R618     | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      |
| R317     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R619     | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      |
| R318     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R620     | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      |
| R321     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R669     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R322     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R670     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R323     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R712     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R326     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R715     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R327     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R716     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R328     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R718     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R334     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R719     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R335     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R720     | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R336     | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     | R801     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R372     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R802     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R373     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R803     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R375     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R804     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R382     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R805     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R383     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R806     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R385     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R807     | NRSA63J-752X | MG RESISTOR | 7.5kΩ 1/16W J     |
| R392     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R808     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R393     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R809     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R395     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R816     | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J      |
| R401     | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J      | R817     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R402     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R818     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R403     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R819     | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R404     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R839     | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R405     | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R840     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R501     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R851     | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J      |
| R502     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R852     | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J      |
| R503     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R853     | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J      |
| R504     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R854     | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J     |
| R505     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R855     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| R506     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R856     | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J       |
| R507     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R859     | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J      |
| R509     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R860     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R510     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R861     | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R511     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R862     | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J      |
| R512     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R863     | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J      |
| R513     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R864     | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J      |
| R514     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R865     | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J      |
| R516     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R866     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R517     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R867     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R518     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R869     | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
| R519     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R873     | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J      |
| R520     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R874     | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J      |
| R521     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R876     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R522     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R877     | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J      |
| R523     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R879     | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
| R524     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R883     | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R526     | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R884     | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J     |
| R527     | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     | R885     | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J      |
| R528     | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      | R886     | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     |
|          |              |             |                   | R887     | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |

| △Ref No. | Part No.     | Part Name     | Description Local |
|----------|--------------|---------------|-------------------|
| R888     | NRSA63J-102X | MG RESISTOR   | 1kΩ 1/16W J       |
| R889     | NRSA63J-102X | MG RESISTOR   | 1kΩ 1/16W J       |
| R893     | NRSA63J-682X | MG RESISTOR   | 6.8kΩ 1/16W J     |
| R907     | NRS12BJ-331W | MG RESISTOR   | 330Ω 1/2W J       |
| R917     | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB203    | NRSA63J-271X | MG RESISTOR   | 270Ω 1/16W J      |
| RB401    | NRSA63J-222X | MG RESISTOR   | 2.2kΩ 1/16W J     |
| RB402    | NRSA63J-332X | MG RESISTOR   | 3.3kΩ 1/16W J     |
| RB502    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB503    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB504    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB506    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB507    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB508    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB512    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB516    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB617    | NRSA63J-563X | MG RESISTOR   | 56kΩ 1/16W J      |
| RB618    | NRSA63J-102X | MG RESISTOR   | 1kΩ 1/16W J       |
| RB619    | NRSA63J-104X | MG RESISTOR   | 100kΩ 1/16W J     |
| RB620    | NRSA63J-153X | MG RESISTOR   | 15kΩ 1/16W J      |
| RB621    | NRSA63J-563X | MG RESISTOR   | 56kΩ 1/16W J      |
| RB623    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| RB624    | NRSA63J-563X | MG RESISTOR   | 56kΩ 1/16W J      |
| RB801    | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |
| L201     | NQL034K-101X | CHIP P COIL   | 100uH K           |
| L807     | NQR0413-003X | FERRITE BEADS |                   |
| L808     | NQR0413-003X | FERRITE BEADS |                   |
| L809     | NQR0413-003X | FERRITE BEADS |                   |
| L851     | NQL092K-6R8X | COIL          | 6.8uH K           |
| L852     | NQL092K-6R8X | COIL          | 6.8uH K           |
| L853     | NQL092K-6R8X | COIL          | 6.8uH K           |
| L854     | NQL092M-270X | CHIP P COIL   | 27uH M            |
| L855     | NQL024J-560X | CHIP P COIL   | 56uH J            |
| L861     | NQL914K-220X | COIL          | 22uH K            |
| L862     | NQL914K-101X | COIL          | 100uH K           |
| L863     | NQL914K-101X | COIL          | 100uH K           |
| L864     | NQL914K-101X | COIL          | 100uH K           |
| L865     | NQL914K-220X | COIL          | 22uH K            |
| L866     | NQL914K-220X | COIL          | 22uH K            |
| L867     | NQL914K-220X | COIL          | 22uH K            |
| L901     | NQL52EM-220X | COIL          | 22uH M            |
| L902     | NQL52EM-220X | COIL          | 22uH M            |
| L904     | NQL52EM-220X | COIL          | 22uH M            |
| X201     | CSB503F30-T2 | C RESONATOR   |                   |
| X801     | NAX0621-001X | CRYSTAL       | 16.200MHz         |

| △Ref No. | Part No.     | Part Name  | Description Local |
|----------|--------------|------------|-------------------|
| LC1001   | NQR0415-001X | EMI FILTER | 1uF 10V M         |
| X1001    | NAX0644-001X | CRYSTAL    | 6.000000MHz       |

### ATSC TUNER MODULE (SSD-2101A-M2)

| △Ref No. | Part No.     | Part Name         | Description Local |
|----------|--------------|-------------------|-------------------|
| △        | SSD-2101A-M2 | ATSC TUNER MODULE |                   |

### SD CARD P.W. BOARD ASS'Y (SFP-8505A-M2)

| △Ref No. | Part No.     | Part Name         | Description Local |
|----------|--------------|-------------------|-------------------|
| IC1001   | W81386D-G    | IC                |                   |
| C1001    | NEH71CM-106X | E CAPACITOR       | 10uF 16V M        |
| C1002    | NCB31EK-103X | C CAPACITOR       | 0.01uF 25V K      |
| C1003    | NDC31HJ-270X | C CAPACITOR       | 27pF 50V J        |
| C1004    | NDC31HJ-270X | C CAPACITOR       | 27pF 50V J        |
| C1005    | NDC31HJ-150X | C CAPACITOR       | 15pF 50V J        |
| C1006    | NDC31HJ-150X | C CAPACITOR       | 15pF 50V J        |
| C1007    | NCB31EK-103X | C CAPACITOR       | 0.01uF 25V K      |
| C1008    | NEH71CM-106X | E CAPACITOR       | 10uF 16V M        |
| C1009    | NDC31HJ-270X | C CAPACITOR       | 27pF 50V J        |
| C1010    | NDC31HJ-270X | C CAPACITOR       | 27pF 50V J        |
| C1011    | NCB31EK-103X | C CAPACITOR       | 0.01uF 25V K      |
| C1012    | NEH71CM-106X | E CAPACITOR       | 10uF 16V M        |
| R1001    | NRSA63J-152X | MG RESISTOR       | 1.5kΩ 1/16W J     |
| R1003    | NRSA63J-330X | MG RESISTOR       | 33Ω 1/16W J       |
| R1004    | NRSA63J-330X | MG RESISTOR       | 33Ω 1/16W J       |
| R1006    | NRSA63J-103X | MG RESISTOR       | 10kΩ 1/16W J      |
| R1008    | NRSA63J-472X | MG RESISTOR       | 4.7kΩ 1/16W J     |
| R1011    | NRSA63J-103X | MG RESISTOR       | 10kΩ 1/16W J      |
| R1012    | NRSA63J-472X | MG RESISTOR       | 4.7kΩ 1/16W J     |
| R1013    | NRSA63J-0R0X | MG RESISTOR       | 0Ω 1/16W J        |
| R1014    | NRSA63J-103X | MG RESISTOR       | 10kΩ 1/16W J      |
| R1027    | NRSA63J-334X | MG RESISTOR       | 330kΩ 1/16W J     |
| RA1001   | NRZ0040-473X | NET RESISTOR      | 47kΩ 1/16W J x4   |
| RA1002   | NRZ0040-473X | NET RESISTOR      | 47kΩ 1/16W J x4   |
| L1001    | NQR0506-001X | EMI FILTER        |                   |
| JK1001   | NNZ0058-001X | SD CARD CONNECTOR |                   |

# PRINTED WIRING BOARD PARTS LIST [TU-50X795/Z]

## DIGITAL SIGNAL P.W. BOARD ASS'Y (SFP0D501A-M2)

| △Ref No. | Part No.        | Part Name       | Description Local |
|----------|-----------------|-----------------|-------------------|
| IC0401   | SN74AHCT1G32V-X | IC              | 100pin            |
| IC1001   | TC90A92AFG      | IC              |                   |
| IC1002   | MM1572FN-X      | IC              | 438pin            |
| IC1502   | NJM2235V-X      | IC              |                   |
| IC3001   | JCC5055         | IC              | 100pin            |
| IC3004   | TC7MB3257FK-X   | IC              |                   |
| IC3005   | SN74LVC1G08V-X  | IC              | 100pin            |
| IC3006   | SN74LVC2G126T-X | IC              |                   |
| IC3403   | S-80928CLNB-W   | IC              | 100pin            |
| IC3501   | HY5DU283222AQ-5 | IC              |                   |
| IC3502   | HY5DU283222AQ-5 | IC              | 208pin            |
| IC3503   | LP2996MR-X      | IC              |                   |
| IC4001   | JCC5057         | IC              | (SERVICE)         |
| IC4003   | AT29LV01-42X795 | IC              |                   |
| IC4004   | ATE256-50X7952  | IC              | (SERVICE)         |
| IC4005   | SN74LVC1G08V-X  | IC              |                   |
| IC6003   | MAX3221CDB-X    | IC              | 100pin            |
| IC6101   | SI1170BCL64     | IC              |                   |
| IC6103   | IC-PST575M/J-X  | IC              | 100pin            |
| IC7001   | MN102H60KPD     | IC(MCU)         |                   |
| IC7002   | ATE256-50X7951  | IC              | 100pin            |
| IC7401   | S-80828CLNB-W   | IC              |                   |
| IC7601   | M306V7FG-089FP  | IC(MCU)         | 100pin            |
| IC7602   | ATE32-50X795    | IC              |                   |
| IC7603   | SN74LVC1G04V-X  | IC              | (SERVICE)         |
| IC7607   | MM15101XN-X     | IC              |                   |
| IC7608   | MM15101XN-X     | IC              | 100pin            |
| IC7609   | SN74AHCT1G08V-X | IC              |                   |
| IC9001   | MP1580HS-X      | IC              | (SERVICE)         |
| IC9201   | MP1580HS-X      | IC              |                   |
| Q0101    | 2SC3837K/NP/-X  | TRANSISTOR      | 100pin            |
| Q0102    | 2SA1022/BC/-X   | TRANSISTOR      |                   |
| Q0104    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin            |
| Q0107    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q0108    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q0109    | HN1C01F/Y/-X    | PAIR TRANSISTOR |                   |
| Q0110    | HN1C01F/Y/-X    | PAIR TRANSISTOR | 100pin            |
| Q0201    | 2SC3837K/NP/-X  | TRANSISTOR      |                   |
| Q0202    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin            |
| Q0203    | 2SC3928A/QR/-X  | TRANSISTOR      |                   |
| Q0204    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin            |
| Q0207    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q0208    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q0209    | HN1C01F/Y/-X    | PAIR TRANSISTOR |                   |
| Q0210    | HN1C01F/Y/-X    | PAIR TRANSISTOR | 100pin            |
| Q0301    | 2SC3837K/NP/-X  | TRANSISTOR      |                   |
| Q0302    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin            |
| Q0303    | 2SC3928A/QR/-X  | TRANSISTOR      |                   |
| Q0304    | 2SA1022/BC/-X   | TRANSISTOR      | 100pin            |
| Q0307    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q0308    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q0309    | HN1C01F/Y/-X    | PAIR TRANSISTOR |                   |
| Q0310    | HN1C01F/Y/-X    | PAIR TRANSISTOR | 100pin            |
| Q1001    | UN2213-X        | DIGI TRANSISTOR |                   |
| Q1003    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q1004    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q1101    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q1103    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q1201    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q1203    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q1301    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q1303    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q1401    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q1403    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q3001    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q3002    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q3003    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q3004    | 2SA1530A/QR/-X  | TRANSISTOR      |                   |
| Q6001    | 2SC3928A/QR/-X  | TRANSISTOR      | 100pin            |
| Q6101    | 2SK1374-X       | MOS FET         |                   |
| Q6102    | 2SK1374-X       | MOS FET         | 100pin            |
| Q7206    | UN2213-X        | DIGI TRANSISTOR |                   |
| Q7207    | DTA144EKA-X     | DIGI TRANSISTOR | 100pin            |
| D1001    | EC30HA03L-X     | SB DIODE        |                   |
| D1002    | EC30HA03L-X     | SB DIODE        | 100pin            |
| D2101    | MA111-X         | SI DIODE        |                   |
| D6001    | 1SS355-X        | SI DIODE        | 100pin            |
| D6002    | 1SS355-X        | SI DIODE        |                   |
| D6003    | 1SS355-X        | SI DIODE        | 100pin            |
| D6004    | MA111-X         | SI DIODE        |                   |

| △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|
| D6103    | BAV99L-X     | SI DIODE    | 100pin            |
| D6104    | BAV99L-X     | SI DIODE    |                   |
| D6105    | BAV99L-X     | SI DIODE    | 100pin            |
| D6106    | BAV99L-X     | SI DIODE    |                   |
| D6107    | BAV99L-X     | SI DIODE    | 100pin            |
| D6108    | BAV99L-X     | SI DIODE    |                   |
| D6109    | BAV99L-X     | SI DIODE    | 100pin            |
| D6110    | BAV99L-X     | SI DIODE    |                   |
| D6111    | BAV99L-X     | SI DIODE    | 100pin            |
| D7001    | MA111-X      | SI DIODE    |                   |
| D7002    | MA8051/M/-X  | Z DIODE     | 100pin            |
| D7003    | MA111-X      | SI DIODE    |                   |
| D7005    | MA8082/M/-X  | Z DIODE     | 100pin            |
| D7006    | MA8082/M/-X  | Z DIODE     |                   |
| D7007    | MA8082/M/-X  | Z DIODE     | 100pin            |
| D7008    | MA8082/M/-X  | Z DIODE     |                   |
| D7009    | MA8082/M/-X  | Z DIODE     | 100pin            |
| D7203    | MA111-X      | SI DIODE    |                   |
| D7204    | MA111-X      | SI DIODE    | 100pin            |
| D7210    | RB501V-40-X  | SB DIODE    |                   |
| D9001    | EC30HA03L-X  | SB DIODE    | 100pin            |
| D9003    | PTZ3.9B-X    | Z DIODE     |                   |
| D9201    | EC30HA03L-X  | SB DIODE    | 100pin            |
| D9203    | PTZ3.9B-X    | Z DIODE     |                   |
| D9204    | MA111-X      | SI DIODE    | 100pin            |
| C0103    | NDC31HJ-330X | C CAPACITOR |                   |
| C0105    | NDC31HJ-270X | C CAPACITOR | 100pin            |
| C0107    | NCF31CZ-104X | C CAPACITOR |                   |
| C0109    | NCB11AK-106X | C CAPACITOR | 100pin            |
| C0110    | NCB11AK-106X | C CAPACITOR |                   |
| C0111    | NDC31HJ-820X | C CAPACITOR | 100pin            |
| C0112    | NDC31HJ-820X | C CAPACITOR |                   |
| C0113    | NCB11AK-106X | C CAPACITOR | 100pin            |
| C0114    | NCF31CZ-104X | C CAPACITOR |                   |
| C0115    | NCF31CZ-104X | C CAPACITOR | 100pin            |
| C0116    | NCB11AK-106X | C CAPACITOR |                   |
| C0117    | NDC31HJ-560X | C CAPACITOR | 100pin            |
| C0203    | NDC31HJ-330X | C CAPACITOR |                   |
| C0205    | NDC31HJ-270X | C CAPACITOR | 100pin            |
| C0207    | NCF31CZ-104X | C CAPACITOR |                   |
| C0209    | NCB11AK-106X | C CAPACITOR | 100pin            |
| C0210    | NCB11AK-106X | C CAPACITOR |                   |
| C0211    | NDC31HJ-820X | C CAPACITOR | 100pin            |
| C0212    | NDC31HJ-820X | C CAPACITOR |                   |
| C0213    | NCB11AK-106X | C CAPACITOR | 100pin            |
| C0214    | NCF31CZ-104X | C CAPACITOR |                   |
| C0215    | NCF31CZ-104X | C CAPACITOR | 100pin            |
| C0217    | NDC31HJ-560X | C CAPACITOR |                   |
| C0303    | NDC31HJ-330X | C CAPACITOR | 100pin            |
| C0305    | NDC31HJ-270X | C CAPACITOR |                   |
| C0307    | NCF31CZ-104X | C CAPACITOR | 100pin            |
| C0309    | NCB11AK-106X | C CAPACITOR |                   |
| C0310    | NCB11AK-106X | C CAPACITOR | 100pin            |
| C0311    | NDC31HJ-820X | C CAPACITOR |                   |
| C0312    | NDC31HJ-820X | C CAPACITOR | 100pin            |
| C0313    | NCB11AK-106X | C CAPACITOR |                   |
| C0314    | NCF31CZ-104X | C CAPACITOR | 100pin            |
| C0315    | NCF31CZ-104X | C CAPACITOR |                   |
| C0317    | NDC31HJ-560X | C CAPACITOR | 100pin            |
| C0401    | NCB31CK-104X | C CAPACITOR |                   |
| C0519    | NDC31HJ-560X | C CAPACITOR | 100pin            |
| C1001    | NCB31HK-103X | C CAPACITOR |                   |
| C1003    | NCB31HK-103X | C CAPACITOR | 100pin            |
| C1004    | NCB31HK-103X | C CAPACITOR |                   |
| C1005    | NCB31HK-152X | C CAPACITOR | 100pin            |
| C1006    | NCB31HK-103X | C CAPACITOR |                   |
| C1008    | NCB31HK-103X | C CAPACITOR | 100pin            |
| C1009    | NDC31HJ-220X | C CAPACITOR |                   |
| C1010    | NDC31HJ-180X | C CAPACITOR | 100pin            |
| C1011    | NDC31HJ-102X | C CAPACITOR |                   |
| C1012    | NCB31HK-103X | C CAPACITOR | 100pin            |
| C1013    | NCB31HK-103X | C CAPACITOR |                   |
| C1014    | NCB31HK-103X | C CAPACITOR | 100pin            |
| C1015    | NCB31HK-103X | C CAPACITOR |                   |
| C1016    | NCB11AK-106X | C CAPACITOR | 100pin            |
| C1017    | NCB31HK-103X | C CAPACITOR |                   |
| C1018    | NCB31HK-103X | C CAPACITOR | 100pin            |
| C1019    | NCB31HK-103X | C CAPACITOR |                   |
| C1021    | NCB31HK-103X | C CAPACITOR | 100pin            |
| C1023    | NCB31HK-103X | C CAPACITOR |                   |
| C1025    | NCB31HK-103X | C CAPACITOR | 100pin            |
| C1026    | NCB31HK-103X | C CAPACITOR |                   |
| C1028    | NCB31HK-103X | C CAPACITOR | 100pin            |

| △Ref No. | Part No.       | Part Name      | Description Local | △Ref No. | Part No.     | Part Name      | Description Local |
|----------|----------------|----------------|-------------------|----------|--------------|----------------|-------------------|
| C1029    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3067    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1030    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3068    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1031    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3069    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1032    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3070    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1033    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3071    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1034    | NDC31HJ-390X   | C CAPACITOR    | 39pF 50V J        | C3072    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1035    | NDC31HJ-680X   | C CAPACITOR    | 68pF 50V J        | C3074    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1037    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3076    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1038    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3097    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1039    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3101    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1040    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3105    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1041    | NCB10JK-106X   | C CAPACITOR    | 10uF 6.3V K       | C3107    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C1042    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3109    | NCB31HK-103X | C CAPACITOR    | 0.01uF 50V K      |
| C1043    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3111    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1045    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3406    | NCB31HK-102X | C CAPACITOR    | 1000pF 50V K      |
| C1046    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3501    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1047    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3503    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1048    | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         | C3506    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1049    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C3507    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1050    | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         | C3508    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1051    | NCB11CK-105X   | C CAPACITOR    | 1uF 16V K         | C3509    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1061    | NDC31HJ-4R0X   | C CAPACITOR    | 4pF 50V J         | C3511    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1062    | NBE40JM-476X   | TA E CAPACITOR | 47uF 6.3V M       | C3515    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1063    | NCB21AK-225X   | C CAPACITOR    | 2.2uF 10V K       | C3516    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1064    | NCB31EK-103X   | C CAPACITOR    | 0.01uF 25V K      | C3517    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1065    | NCB30JK-105X   | C CAPACITOR    | 1uF 6.3V K        | C3518    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1066    | NBE40JM-476X   | TA E CAPACITOR | 47uF 6.3V M       | C3519    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1102    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3524    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1103    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3527    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1104    | NDC31HJ-560X   | C CAPACITOR    | 56pF 50V J        | C3530    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1105    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C3531    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1106    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3532    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1109    | NDC31HJ-151X   | C CAPACITOR    | 150pF 50V J       | C3533    | NCB30JK-225X | C CAPACITOR    | 2.2uF 6.3V K      |
| C1202    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3535    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1203    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3539    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1204    | NDC31HJ-560X   | C CAPACITOR    | 56pF 50V J        | C3540    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1205    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C3542    | NCF31CZ-474X | C CAPACITOR    | 0.47uF 16V Z      |
| C1206    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C3543    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1209    | NDC31HJ-151X   | C CAPACITOR    | 150pF 50V J       | C3548    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1302    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3549    | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M        |
| C1303    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C3550    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1304    | NDC31HJ-560X   | C CAPACITOR    | 56pF 50V J        | C3551    | NBZ0007-107X | SP E CAPACITOR | 100uF 4V M        |
| C1305    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C3552    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C1306    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C4002    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C1309    | NDC31HJ-151X   | C CAPACITOR    | 150pF 50V J       | C4003    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C1402    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C4005    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1403    | NDC31HJ-330X   | C CAPACITOR    | 33pF 50V J        | C4006    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1404    | NDC31HJ-560X   | C CAPACITOR    | 56pF 50V J        | C4008    | NCF11CZ-475X | C CAPACITOR    | 4.7uF 16V Z       |
| C1405    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C4009    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1406    | NCB31HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C4010    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1409    | NDC31HJ-151X   | C CAPACITOR    | 150pF 50V J       | C4011    | NCF11CZ-475X | C CAPACITOR    | 4.7uF 16V Z       |
| C1502    | NCJ41EK-106X-U | C CAPACITOR    | 10mF 25V K        | C4012    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1508    | NCF11CZ-475X   | C CAPACITOR    | 4.7uF 16V Z       | C4013    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1509    | NCB31HK-103X   | C CAPACITOR    | 0.01uF 50V K      | C4016    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C1511    | NRSA63J-105X   | MG RESISTOR    | 1MΩ 1/16W J       | C4020    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C2101    | NCB21HK-104X   | C CAPACITOR    | 0.1uF 50V K       | C4022    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C3004    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C4023    | NCB31HK-104X | C CAPACITOR    | 0.1uF 50V K       |
| C3006    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C4029    | NDC31HJ-470X | C CAPACITOR    | 47pF 50V J        |
| C3008    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C4030    | NDC31HJ-470X | C CAPACITOR    | 47pF 50V J        |
| C3010    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6013    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3016    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6014    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3018    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6015    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3019    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6017    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3021    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6018    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3022    | NBZ0007-107X   | SP E CAPACITOR | 100uF 4V M        | C6019    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3023    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6020    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3028    | NDC31HJ-221X   | C CAPACITOR    | 220pF 50V J       | C6021    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3030    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6102    | NCB11AK-106X | C CAPACITOR    | 10uF 10V K        |
| C3031    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6105    | NCF41CZ-106X | C CAPACITOR    | 10uF 16V Z        |
| C3032    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6106    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3037    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6107    | NDC31HJ-102X | C CAPACITOR    | 1000pF 50V J      |
| C3040    | NCB31CK-104X   | C CAPACITOR    | 0.1uF 16V K       | C6108    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3041    | NDC31HJ-101X   | C CAPACITOR    | 100pF 50V J       | C6109    | NDC31HJ-102X | C CAPACITOR    | 1000pF 50V J      |
| C3042    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6111    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3043    | NDC31HJ-101X   | C CAPACITOR    | 100pF 50V J       | C6112    | NCF41CZ-106X | C CAPACITOR    | 10uF 16V Z        |
| C3044    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6113    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3045    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6114    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3047    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6115    | NDC31HJ-102X | C CAPACITOR    | 1000pF 50V J      |
| C3049    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6116    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3051    | NCB31HK-472X   | C CAPACITOR    | 4700pF 50V K      | C6117    | NCF41CZ-106X | C CAPACITOR    | 10uF 16V Z        |
| C3052    | NCB31AK-334X   | C CAPACITOR    | 0.33uF 10V K      | C6119    | NCF41CZ-106X | C CAPACITOR    | 10uF 16V Z        |
| C3056    | NCB31AK-334X   | C CAPACITOR    | 0.33uF 10V K      | C6120    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3059    | NCB31HK-223X   | C CAPACITOR    | 0.022uF 50V K     | C6122    | NDC31HJ-102X | C CAPACITOR    | 1000pF 50V J      |
| C3060    | NCB31HK-152X   | C CAPACITOR    | 1500pF 50V K      | C6128    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3063    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C6129    | NCF31CZ-104X | C CAPACITOR    | 0.1uF 16V Z       |
| C3065    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C7001    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |
| C3066    | NCF31CZ-104X   | C CAPACITOR    | 0.1uF 16V Z       | C7002    | NCB31AK-105X | C CAPACITOR    | 1uF 10V K         |



| △Ref No. | Part No.       | Part Name   | Description Local | △Ref No. | Part No.     | Part Name   | Description Local |
|----------|----------------|-------------|-------------------|----------|--------------|-------------|-------------------|
| C7003    | NCF11CZ-475X   | C CAPACITOR | 4.7uF 16V Z       | R0238    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7006    | NDC31HJ-150X   | C CAPACITOR | 15pF 50V J        | R0240    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| C7007    | NCB31AK-105X   | C CAPACITOR | 1uF 10V K         | R0241    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7010    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0305    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7011    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0306    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| C7012    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0307    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| C7017    | NDC31HJ-391X   | C CAPACITOR | 390pF 50V J       | R0308    | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J      |
| C7018    | NCB31AK-105X   | C CAPACITOR | 1uF 10V K         | R0309    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| C7025    | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       | R0310    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7203    | NCB31CK-473X   | C CAPACITOR | 0.047uF 16V K     | R0311    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7401    | NCF31CZ-104X   | C CAPACITOR | 0.1uF 16V Z       | R0316    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7402    | NCB31AK-105X   | C CAPACITOR | 1uF 10V K         | R0319    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7601    | NDC31HJ-102X   | C CAPACITOR | 1000pF 50V J      | R0321    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| C7602    | NDC31HJ-221X   | C CAPACITOR | 220pF 50V J       | R0322    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| C7603    | NCB21AK-225X   | C CAPACITOR | 2.2uF 10V K       | R0325    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| C7607    | NCB31HK-102X   | C CAPACITOR | 1000pF 50V K      | R0326    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7608    | NCB31HK-221X   | C CAPACITOR | 220pF 50V K       | R0327    | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J      |
| C7609    | NCB21AK-225X   | C CAPACITOR | 2.2uF 10V K       | R0328    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| C7610    | NCB31HK-681X   | C CAPACITOR | 680pF 50V K       | R0329    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| C7611    | NCB31HK-681X   | C CAPACITOR | 680pF 50V K       | R0331    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7612    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R0332    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7613    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R0333    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7614    | NCB31HK-104X   | C CAPACITOR | 0.1uF 50V K       | R0334    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7615    | NCB31HK-104X   | C CAPACITOR | 0.1uF 50V K       | R0337    | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J      |
| C7616    | NCB11CK-105X   | C CAPACITOR | 1uF 16V K         | R0338    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7617    | NCB31HK-104X   | C CAPACITOR | 0.1uF 50V K       | R0340    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| C7618    | NCB11AK-106X   | C CAPACITOR | 10uF 16V K        | R0341    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| C7619    | NCF11CZ-475X   | C CAPACITOR | 4.7uF 16V Z       | R0501    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7621    | NCB11AK-106X   | C CAPACITOR | 10uF 16V K        | R0502    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C7622    | NCF11CZ-475X   | C CAPACITOR | 4.7uF 16V Z       | R0504    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9002    | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K        | R0506    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9004    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0507    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9005    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0508    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9007    | NCB31HK-222X   | C CAPACITOR | 2200pF 50V K      | R0512    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9008    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0516    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9010    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0517    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9110    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0518    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9202    | NCJ41EK-106X-U | C CAPACITOR | 10mF 25V K        | R0519    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9204    | NCB31HK-103X   | C CAPACITOR | 0.01uF 50V K      | R0520    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9205    | NCJ41CK-226X-U | C CAPACITOR | 22mF 16V K        | R0522    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9207    | NCB31HK-222X   | C CAPACITOR | 2200pF 50V K      | R0523    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9209    | NEZ0022-157X   | E CAPACITOR | 150uF 10V M       | R0524    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| C9211    | NCB31HK-153X   | C CAPACITOR | 0.015uF 50V K     | R0525    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
|          |                |             |                   | R0526    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R0105    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R0527    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R0106    | NRSA63J-471X   | MG RESISTOR | 470Ω 1/16W J      | R1001    | NRSA63J-274X | MG RESISTOR | 270kΩ 1/16W J     |
| R0107    | NRSA63J-471X   | MG RESISTOR | 470Ω 1/16W J      | R1002    | NRSA63D-101X | MG RESISTOR | 100Ω 1/16W D      |
| R0109    | NRSA63J-151X   | MG RESISTOR | 150Ω 1/16W J      | R1003    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R0110    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1004    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R0116    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1005    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R0119    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1006    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0121    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1007    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0122    | NRSA63J-102X   | MG RESISTOR | 1kΩ 1/16W J       | R1010    | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J      |
| R0125    | NRSA63J-222X   | MG RESISTOR | 2.2kΩ 1/16W J     | R1011    | NQL093K-R10X | COIL        | 0.1uH K           |
| R0126    | NRSA63J-103X   | MG RESISTOR | 10kΩ 1/16W J      | R1012    | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J     |
| R0127    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R1013    | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J     |
| R0128    | NRSA63J-102X   | MG RESISTOR | 1kΩ 1/16W J       | R1014    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0129    | NRSA63J-103X   | MG RESISTOR | 10kΩ 1/16W J      | R1017    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0131    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1018    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0132    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1019    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R0133    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R1021    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R0134    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1101    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| R0137    | NRSA63J-151X   | MG RESISTOR | 150Ω 1/16W J      | R1102    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0138    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R1104    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0140    | NRSA63J-182X   | MG RESISTOR | 1.8kΩ 1/16W J     | R1105    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0141    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1106    | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J     |
| R0205    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1107    | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J      |
| R0206    | NRSA63J-471X   | MG RESISTOR | 470Ω 1/16W J      | R1113    | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J       |
| R0207    | NRSA63J-471X   | MG RESISTOR | 470Ω 1/16W J      | R1201    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| R0208    | NRSA63J-681X   | MG RESISTOR | 680Ω 1/16W J      | R1203    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0209    | NRSA63J-221X   | MG RESISTOR | 220Ω 1/16W J      | R1204    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0210    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1205    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0211    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1206    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R0216    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1207    | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J      |
| R0219    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1213    | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J       |
| R0221    | NRSA63J-101X   | MG RESISTOR | 100Ω 1/16W J      | R1301    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| R0222    | NRSA63J-102X   | MG RESISTOR | 1kΩ 1/16W J       | R1303    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0225    | NRSA63J-222X   | MG RESISTOR | 2.2kΩ 1/16W J     | R1304    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0226    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1305    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0227    | NRSA63J-181X   | MG RESISTOR | 180Ω 1/16W J      | R1306    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R0228    | NRSA63J-102X   | MG RESISTOR | 1kΩ 1/16W J       | R1307    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0229    | NRSA63J-103X   | MG RESISTOR | 10kΩ 1/16W J      | R1313    | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J       |
| R0231    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1401    | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J     |
| R0232    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1403    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R0233    | NRSA63J-0R0X   | MG RESISTOR | 0Ω 1/16W J        | R1404    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     |
| R0234    | NRSA63J-472X   | MG RESISTOR | 4.7kΩ 1/16W J     | R1405    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      |
| R0237    | NRSA63J-271X   | MG RESISTOR | 270Ω 1/16W J      | R1406    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |

| △Ref No. | Part No.     | Part Name   | Description Local | △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|-------------|-------------------|
| R1407    | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J      | R3126    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1413    | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J       | R3156    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1523    | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z       | R3160    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1524    | NRSA63J-474X | MG RESISTOR | 470kΩ 1/16W J     | R3161    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1525    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3162    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R1584    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3172    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R2027    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     | R3179    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R2028    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R3207    | NRS144J-0R0X | MG RESISTOR | 0Ω 1/4W J         |
| R2056    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3502    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2057    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3503    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2101    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3505    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2102    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3507    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2103    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R3509    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2104    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3511    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2105    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3514    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2106    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3516    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2121    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3518    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2122    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3520    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2123    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3522    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2125    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3524    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R2128    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3525    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3001    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R3527    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3004    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R3529    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3006    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3531    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3007    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3533    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3008    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3536    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3009    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R3538    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3018    | NRSA02J-3R3X | MG RESISTOR | 3.3Ω 1/10W J      | R3540    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3019    | NRSA02J-3R3X | MG RESISTOR | 3.3Ω 1/10W J      | R3542    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3020    | NRSA02J-3R3X | MG RESISTOR | 3.3Ω 1/10W J      | R3544    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       |
| R3021    | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D       | R4004    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3022    | NRSA63D-332X | MG RESISTOR | 3.3kΩ 1/16W D     | R4005    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3023    | NRSA63D-332X | MG RESISTOR | 3.3kΩ 1/16W D     | R4006    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3024    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R4007    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3028    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R4008    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3029    | NRSA63D-392X | MG RESISTOR | 3.9kΩ 1/16W D     | R4015    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3030    | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D       | R4016    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3031    | NRSA63D-151X | MG RESISTOR | 150Ω 1/16W D      | R4018    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3032    | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J      | R4019    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3033    | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J      | R4023    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3034    | NRSA63J-5R6X | MG RESISTOR | 5.6Ω 1/16W J      | R4024    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3036    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R4027    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3037    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R4028    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3038    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     | R4035    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3040    | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J      | R4037    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3041    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R4039    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3042    | NRSA63J-201X | MG RESISTOR | 200Ω 1/16W J      | R4041    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3043    | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     | R4042    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3044    | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J      | R4044    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3045    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R4046    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3047    | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J     | R4051    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3048    | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J      | R4052    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3053    | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J     | R4053    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3054    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4054    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3056    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4056    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3063    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R4057    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R3064    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R4058    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R3065    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R4059    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3066    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R4060    | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J       |
| R3069    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4064    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3070    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4065    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3071    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4105    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3072    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R4106    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3089    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6022    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3090    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6025    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3091    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6028    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3092    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6031    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3093    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6034    | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| R3094    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6035    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R3095    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6036    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3096    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6038    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3097    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6039    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R3098    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6041    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3099    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6042    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3100    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6044    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3101    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6045    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3102    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6046    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3103    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6047    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3104    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6048    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     |
| R3105    | NRSA63J-510X | MG RESISTOR | 51Ω 1/16W J       | R6049    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3106    | NRS144J-0R0X | MG RESISTOR | 0Ω 1/4W J         | R6050    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3107    | NRS144J-0R0X | MG RESISTOR | 0Ω 1/4W J         | R6051    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3114    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R6052    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3116    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R6102    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R3118    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R6103    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R3120    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6104    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R3122    | NRSA63J-220X | MG RESISTOR | 22Ω 1/16W J       | R6105    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |

| △Ref No. | Part No.     | Part Name   | Description Local | △Ref No. | Part No.     | Part Name   | Description Local |
|----------|--------------|-------------|-------------------|----------|--------------|-------------|-------------------|
| R6106    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7094    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6108    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7095    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6109    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7096    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6110    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7097    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6111    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R7098    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R6112    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       | R7099    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6114    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     | R7100    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R6115    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7101    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R6116    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7106    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R6117    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7107    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6118    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7108    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6119    | NRSA63J-511X | MG RESISTOR | 510Ω 1/16W J      | R7109    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6120    | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J        | R7110    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6124    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      | R7111    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6125    | NRSA63J-474X | MG RESISTOR | 470kΩ 1/16W J     | R7112    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6126    | NDC31HJ-220X | C CAPACITOR | 22pF 50V J        | R7114    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R6127    | NDC31HJ-220X | C CAPACITOR | 22pF 50V J        | R7115    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6128    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R7117    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6129    | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J     | R7118    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6130    | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      | R7119    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6131    | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J      | R7120    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R6132    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7122    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R6133    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7123    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R6134    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7124    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R7001    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7132    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R7002    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7133    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7004    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7134    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R7005    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7135    | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J      |
| R7006    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7136    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7010    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7137    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7011    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7140    | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R7014    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7141    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7015    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7142    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7016    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7143    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7017    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7144    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7018    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7145    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7021    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7146    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7022    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7148    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R7023    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7149    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7024    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7150    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7025    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7153    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      |
| R7026    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7159    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7029    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7160    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7030    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7214    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7031    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7215    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     |
| R7032    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7216    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7033    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7401    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7034    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7404    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7035    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7601    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R7037    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7602    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7038    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7603    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7039    | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      | R7604    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7040    | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J     | R7605    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7041    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7606    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7042    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7607    | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K      |
| R7043    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7608    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R7046    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7609    | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J     |
| R7047    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7610    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7048    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7611    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7049    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7612    | NCB31AK-224X | C CAPACITOR | 0.22uF 10V K      |
| R7057    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7613    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R7058    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      | R7614    | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J     |
| R7059    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      | R7615    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7060    | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J      | R7656    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7063    | NRSA63J-184X | MG RESISTOR | 180kΩ 1/16W J     | R7657    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7064    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7658    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R7065    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7659    | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J     |
| R7066    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7660    | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J       |
| R7067    | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J      | R7661    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R7068    | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J      | R7664    | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J       |
| R7069    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7666    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7070    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7680    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7071    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7681    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7072    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7685    | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J      |
| R7077    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7686    | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J       |
| R7080    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7688    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7081    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7689    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7082    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        | R7690    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |
| R7085    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R7691    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      |
| R7086    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9001    | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J      |
| R7087    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9002    | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J        |
| R7088    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9003    | NRSA63D-203X | MG RESISTOR | 20kΩ 1/16W D      |
| R7089    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9004    | NRSA63D-154X | MG RESISTOR | 150kΩ 1/16W D     |
| R7090    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9005    | NRSA63D-103X | MG RESISTOR | 10kΩ 1/16W D      |
| R7091    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      | R9006    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      |
| R7092    | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J      | R9008    | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J       |
| R7093    | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J      | R9111    | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J        |

| △Ref No. | Part No.     | Part Name     | Description Local | △Ref No. | Part No.     | Part Name      | Description Local |
|----------|--------------|---------------|-------------------|----------|--------------|----------------|-------------------|
| R9201    | NRSA63J-473X | MG RESISTOR   | 47kΩ 1/16W J      | L3005    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9202    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        | L3006    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9204    | NRSA63D-272X | MG RESISTOR   | 2.7kΩ 1/16W D     | L3007    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9205    | NRSA63D-103X | MG RESISTOR   | 10kΩ 1/16W D      | L3008    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9206    | NRSA63J-472X | MG RESISTOR   | 4.7kΩ 1/16W J     | L3009    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9207    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        | L3010    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9208    | NRSA63J-474X | MG RESISTOR   | 470kΩ 1/16W J     | L3011    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| R9209    | NRSA63J-680X | MG RESISTOR   | 68Ω 1/16W J       | L3012    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA1001   | NRZ0034-103W | NET RESISTOR  | 10kΩ 1/32W J x4   | L3501    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA1002   | NRZ0034-103W | NET RESISTOR  | 10kΩ 1/32W J x4   | L4001    | NQR0413-003X | FERRITE BEADS  |                   |
| RA1003   | NRZ0034-103W | NET RESISTOR  | 10kΩ 1/32W J x4   | L4002    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA2012   | NRZ0080-0R0X | NET RESISTOR  | 0Ω 1/16W J        | L4003    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA2013   | NRZ0080-0R0X | NET RESISTOR  | 0Ω 1/16W J        | L6101    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3002   | NRZ0034-103W | NET RESISTOR  | 10kΩ 1/32W J x4   | L7001    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3004   | NRZ0034-103W | NET RESISTOR  | 10kΩ 1/32W J x4   | L7002    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3013   | NRZ0034-220W | NET RESISTOR  | 22Ω 1/32W J x4    | L7003    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3014   | NRZ0034-220W | NET RESISTOR  | 22Ω 1/32W J x4    | L7004    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3015   | NRZ0034-220W | NET RESISTOR  | 22Ω 1/32W J x4    | L7005    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3016   | NRZ0034-220W | NET RESISTOR  | 22Ω 1/32W J x4    | L7006    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3018   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | L9001    | NQL71EM-150X | COIL           | 15uH M            |
| RA3020   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | L9002    | NQL52EM-100X | COIL           | 10uH M            |
| RA3022   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | L9201    | NQL71EM-150X | COIL           | 15uH M            |
| RA3023   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | J001     | NNZ0117-001  | HDMI CONNECTOR | DIGITAL IN        |
| RA3024   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | J7001    | QNS0001-001  | 3.5 JACK       | AV COMPLINK       |
| RA3025   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | K1001    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3026   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | K1002    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3028   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | K1003    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3030   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | K1004    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3032   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | K2104    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA3502   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | K2106    | NQR0489-002X | FERRITE BEADS  |                   |
| RA3506   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | K2107    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA3508   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | K3003    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3512   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | K3006    | NRSA63J-0R0X | MG RESISTOR    | 0Ω 1/16W J        |
| RA3516   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | K3009    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA3518   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | K6101    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3521   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | K6102    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3523   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | K6103    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3526   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | K6104    | NQR0413-003X | FERRITE BEADS  |                   |
| RA3530   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | K7002    | NRSA02J-0R0X | MG RESISTOR    | 0Ω 1/10W J        |
| RA3531   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | LC0102   | NQR0483-005X | EMI FILTER     | 100uF 25V Z       |
| RA3536   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | LC0510   | NQR0498-001X | EMI FILTER     |                   |
| RA3540   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | LC0511   | NQR0498-001X | EMI FILTER     |                   |
| RA3542   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J       | LC0512   | NQR0498-001X | EMI FILTER     |                   |
| RA3545   | NRZ0080-510X | NET RESISTOR  | 51Ω 1/16W J       | LC0513   | NQR0498-001X | EMI FILTER     |                   |
| RA3547   | NRZ0040-510X | NET RESISTOR  | 51Ω 1/16W J x4    | LC0519   | NQR0416-001X | EMI FILTER     | 240pF 16V M       |
| RA4001   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     | SL7001   | NAX0613-001X | C RESONATOR    |                   |
| RA4002   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     | X1001    | NAX0642-001X | CRYSTAL        |                   |
| RA4003   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     | X3001    | NAX0635-001X | CXO            | 74.1758MHz        |
| RA4004   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     | X3002    | NAX0637-001X | CXO            |                   |
| RA4005   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     | X4001    | NAX0669-001X | C RESONATOR    |                   |
| RA4006   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     | X7601    | NAX0613-001X | C RESONATOR    |                   |
| RA7601   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     |          |              |                |                   |
| RA7602   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     |          |              |                |                   |
| RA7603   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     |          |              |                |                   |
| RA7604   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     |          |              |                |                   |
| RA7605   | NRZ0034-0R0W | NET RESISTOR  | 0Ω 1/32W J x4     |          |              |                |                   |
| RB7605   | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |          |              |                |                   |
| RB7614   | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |          |              |                |                   |
| RB7615   | NRSA63J-0R0X | MG RESISTOR   | 0Ω 1/16W J        |          |              |                |                   |
| L0101    | NQL092K-2R2X | COIL          | 2.2uH K           |          |              |                |                   |
| L0104    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L0201    | NQL092K-2R2X | COIL          | 2.2uH K           |          |              |                |                   |
| L0204    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L0301    | NQL092K-2R2X | COIL          | 2.2uH K           |          |              |                |                   |
| L0304    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L0401    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L1001    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L1002    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L1003    | NQL092K-1R5X | CHIP P COIL   | 1.5uH K           |          |              |                |                   |
| L1004    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L1005    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L1006    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L1008    | NQL79GM-220X | COIL          | 22uH M            |          |              |                |                   |
| L1010    | NRSA02J-0R0X | MG RESISTOR   | 0Ω 1/10W J        |          |              |                |                   |
| L1011    | NQL79GM-470X | COIL          | 47uH M            |          |              |                |                   |
| L1101    | NQL092K-6R8X | COIL          | 6.8uH K           |          |              |                |                   |
| L1102    | NQR0489-002X | FERRITE BEADS |                   |          |              |                |                   |
| L1103    | NQL092K-1R0X | COIL          | 1uH K             |          |              |                |                   |
| L1201    | NQL092K-6R8X | COIL          | 6.8uH K           |          |              |                |                   |
| L1203    | NQL092K-1R0X | COIL          | 1uH K             |          |              |                |                   |
| L1301    | NQL092K-6R8X | COIL          | 6.8uH K           |          |              |                |                   |
| L1303    | NQL092K-1R0X | COIL          | 1uH K             |          |              |                |                   |
| L1401    | NQL092K-6R8X | COIL          | 6.8uH K           |          |              |                |                   |
| L1403    | NQL092K-1R0X | COIL          | 1uH K             |          |              |                |                   |
| L1501    | NQL092K-4R7X | COIL          | 4.7uH K           |          |              |                |                   |
| L3001    | NQR0489-002X | FERRITE BEADS |                   |          |              |                |                   |

## FRONT CONTROL P.W. BOARD ASS'Y (SFP-8501A-U2)

REFER TO PARTS LIST IN PAGE 3-34 FOR THIS P.W. BOARD.

## AV JACK P.W. BOARD ASS'Y (SFP0J501A-M2)

REFER TO PARTS LIST IN PAGE 3-35 FOR THIS P.W. BOARD.

## RECEIVER P.W. BOARD ASS'Y (SFP0F501A-M2)

REFER TO PARTS LIST IN PAGE 3-36 FOR THIS P.W. BOARD.

## SYSTEM POWER P.W. BOARD ASS'Y (SFP-9511A-M2)

REFER TO PARTS LIST IN PAGE 3-36 FOR THIS P.W. BOARD.

## REGULATOR P.W. BOARD ASS'Y (SFP-9507A-M2)

REFER TO PARTS LIST IN PAGE 3-37 FOR THIS P.W. BOARD.

**ANALOG SIGNAL P.W. BOARD ASS'Y (SFP0A501A-M2)**

REFER TO PARTS LIST IN PAGE 3-38 FOR THIS P.W. BOARD.

**SD CARD P.W. BOARD ASS'Y (SFP-8505A-M2)**

REFER TO PARTS LIST IN PAGE 3-40 FOR THIS P.W. BOARD.

**ATSC TUNER MODULE (SSD-2101A-M2)**

REFER TO PARTS LIST IN PAGE 3-40 FOR THIS P.W. BOARD.

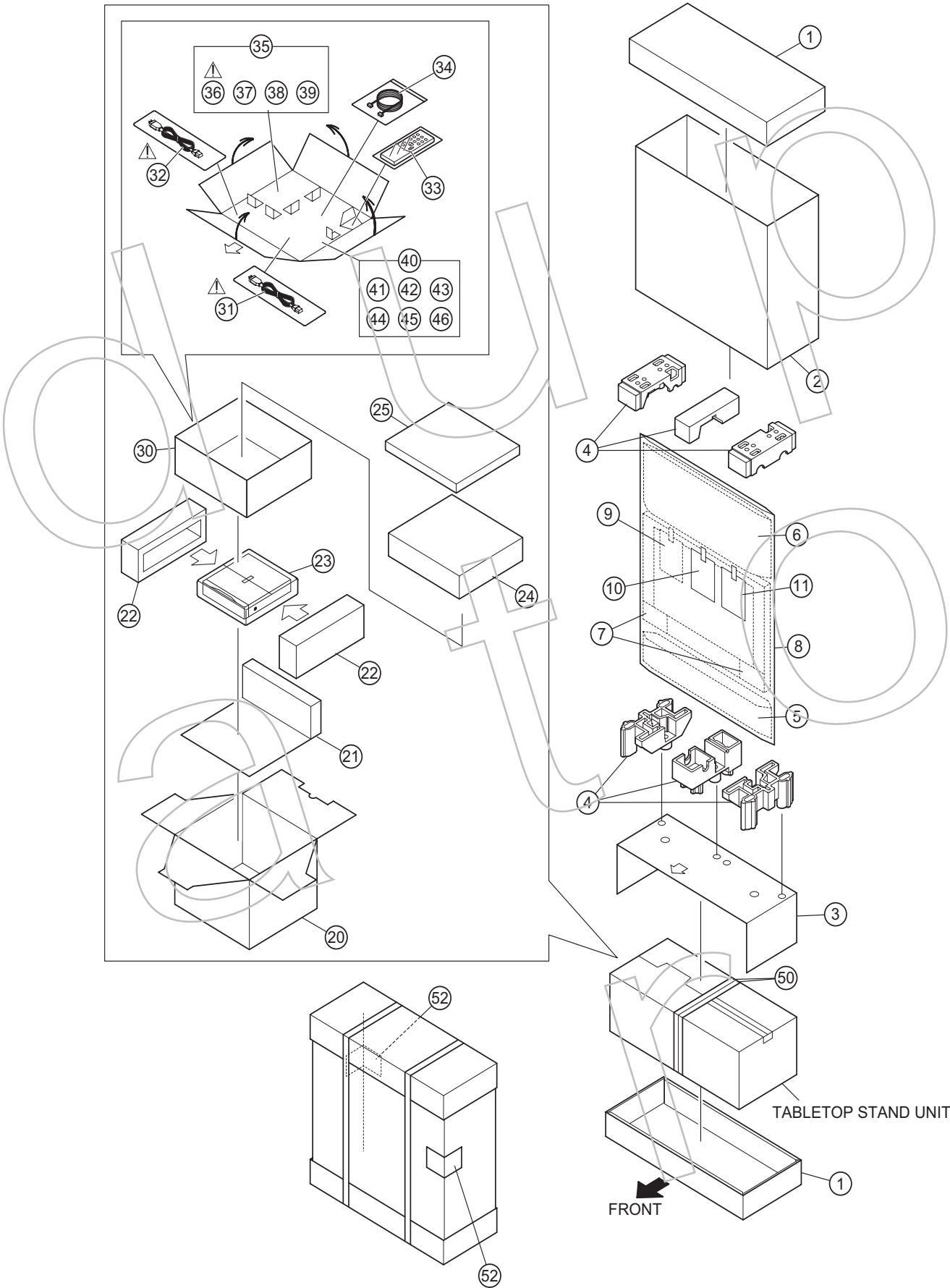
**REMOTE CONTROL UNIT PARTS LIST (RM-C14G-1H)**

| △ Ref.No. | Part No.    | Part Name     | Description | Local |
|-----------|-------------|---------------|-------------|-------|
|           | UR77EC1403A | BATTERY COVER |             |       |

**PACKING PARTS LIST**

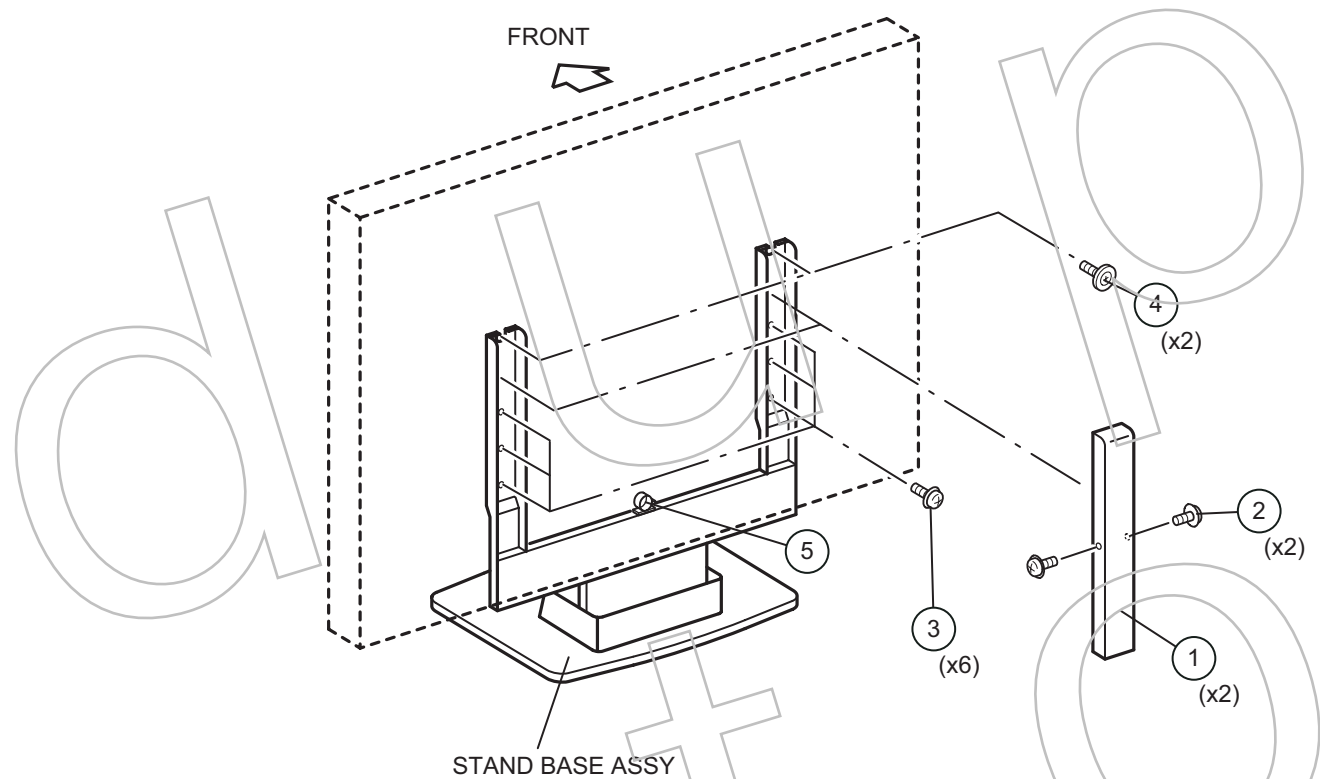
| △ Ref.No. | Part No.       | Part Name         | Description    | Local       |
|-----------|----------------|-------------------|----------------|-------------|
| 1         | LC21528-001A-A | TOP/BOTTOM PAD    | (x2)           | PD-42X795/S |
| 1         | LC21790-001A-A | TOP BOTTOM PAD    | (x2)           | PD-50X795/Z |
| 2         | LC21536-001A-A | CARTON SLEEVE     |                | PD-42X795/S |
| 2         | LC21628-001A-A | CARTON SLEEVE     |                | PD-50X795/Z |
| 3         | LC21527-001A-A | LAYER PAD         |                | PD-42X795/S |
| 3         | LC21694-001A-A | LAYER PAD         |                | PD-50X795/Z |
| 4         | LC11855-001A-A | CUSHION ASS'Y     | 6pcs in 1set   | PD-42X795/S |
| 4         | LC11978-001A-A | CUSHION ASS'Y     | 6pcs in 1set   | PD-50X795/Z |
| 5         | LC41035-003A   | POLY BAG          |                | PD-42X795/S |
| 5         | LC41035-006A   | POLY BAG          |                | PD-50X795/Z |
| 6         | LC41035-005A   | POLY BAG          |                | PD-42X795/S |
| 6         | LC41035-004A   | POLY BAG          |                | PD-50X795/Z |
| 7         | LC32526-001A   | PROTECT SHEET     | (x2)           | PD-42X795/S |
| 8         | LC30236-005A   | POLY BAG          |                |             |
| 9         | LCT1542-002A-A | CAUTION SHEET     |                |             |
| 10        | GQ40052-001A-A | CONTROL SHEET     |                |             |
| 11        | LC41750-001A   | INST SHEET        |                |             |
| 20        | LC32612-001A-A | RECEIVER BOX      |                |             |
| 21        | LC32868-001A-A | SPACER            |                |             |
| 22        | LC12041-001A-A | CUSHION ASS'Y     | 2pcs in 1set   |             |
| 23        | PQM30021-93    | POLY BAG          |                |             |
| 24        | LC32736-001A-A | SEPARATOR         |                |             |
| 25        | LC32608-001A-A | SEPARATOR         |                |             |
| 30        | LC32735-001A-A | ACC DIVIDER       |                |             |
| △ 31      | QMPE280-180-JW | POWER CORD(US/CA) | 1.8m BLACK     |             |
| △ 32      | QMPE280-180-JW | POWER CORD(US/CA) | 1.8m BLACK     |             |
| 33        | RM-C14G-1H     | REMOCON           |                |             |
| 34        | QAM0585-001    | PDP I/F CABLE     | 3m             |             |
| 35        | QPA02503505P   | POLY BAG          | 25cm x 35cm    |             |
| △ 36      | LCT1648-001A-A | INST BOOK         | English        |             |
| 37        | LCT1757-001A-A | CAUTION BOOK      | English French |             |
| 38        | LC42105-001A   | CABLE CARD LABEL  |                |             |
| 39        | BT-51034-2Q    | REGIST. CARD      |                |             |
| 40        | QPA01203005    | POLY BAG          | 12cm x 30cm    |             |
| 41        | LC41320-001A   | NYRON CLUMP       | Hook(x2)       | PD-50X795/Z |
| 42        | -----          | BATTERY           | AA/R6 (x2)     |             |
| 43        | QYSPSPD5016M   | SCREW             | M5 x 16mm(x2)  | PD-50X795/Z |
| 44        | QAU0382-001    | RF SPLITTER       |                |             |
| 45        | QAM0523-003    | RF CABLE          | (x2)           |             |
| 46        | QQR1193-001    | CORE FILTER       | For Power cord |             |
| 50        | LC32608-001A-A | SEPARATOR         | (x2)           | PD-42X795/S |
| 50        | LC32736-001A-A | SEPARATOR         | (x2)           | PD-50X795/Z |
| 52        | CM36616-001-A  | CORNER LABEL      |                |             |

PACKING



**TABLETOP STAND UNIT**  
**[RK-PD4T1:PD-42X795/S] [RK-PD4T2:PD-50X795/Z]**

**EXPLODED VIEW - 8**

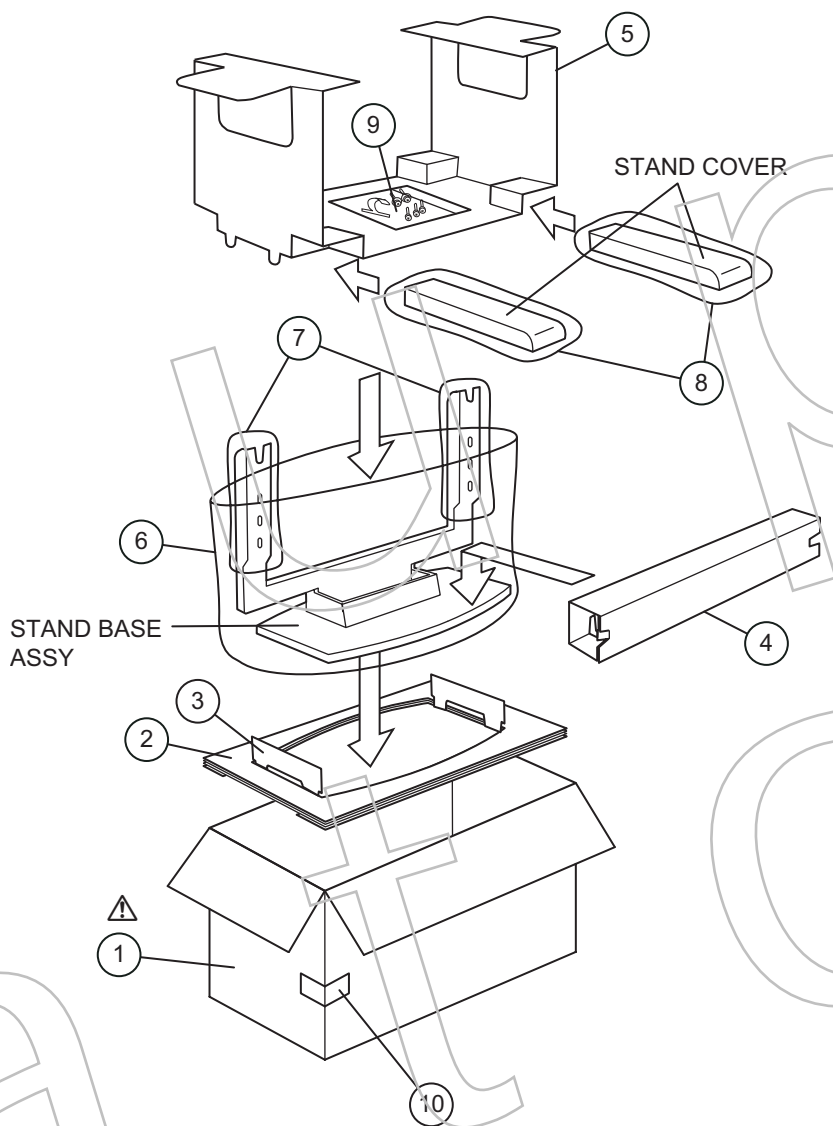


**EXPLODED VIEW PARTS LIST - 8**

| △ | Ref.No. | Part No. | Part Name   | Description                     | Local |
|---|---------|----------|-------------|---------------------------------|-------|
|   | 1       | RD4010-2 | STAND COVER | (x2)                            |       |
|   | 2       | RD4010-4 | SCREW       | for STAND COVER, M3mm x 6mm(x4) |       |
|   | 3       | RD4010-3 | SCREW       | for BASE ASSY, M5mm x 20mm(x6)  |       |
|   | 4       | RD4010-5 | ASSY SCREW  | for BASE ASSY, M5mm x 20mm(x2)  |       |
|   | 5       | RD4010-6 | CLAMP       | for cable                       |       |



PACKING



PACKING PARTS LIST

| △ | Ref.No. | Part No.     | Part Name     | Description             | Local       |
|---|---------|--------------|---------------|-------------------------|-------------|
| △ | 1       | RD4010-2-US  | PACKING CASE  | Bottom(outer)           |             |
|   | 2       | RD4010-8     | CUSHION SHEET | Bottom(inner)           |             |
|   | 3       | RD4010-9     | CUSHION SHEET | Front                   |             |
|   | 4       | RD4010-10    | CUSHION SHEET | Top                     |             |
|   | 5       | RD4010-11    | CUSHION SHEET |                         |             |
|   | 6       | RD4010-12    | POLY BAG      | for STAND BASE ASSY     |             |
|   | 7       | RD4010-13    | POLY BAG      | for STAND BASE ASSY(x2) |             |
|   | 8       | RD4010-14    | POLY BAG      | for STAND COVER(x2)     |             |
|   | 9       | RD4010-15    | POLY BAG      | for SCREW, CLAMP        |             |
|   | 10      | LC32519-001A | CARTON LABEL  |                         | PD-42X795/S |
|   | 10      | LC32519-006A | CARTON LABEL  |                         | PD-50X795/Z |